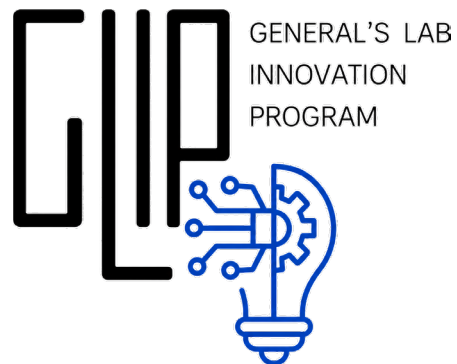




Presented by American Global and the Ontario General Contractors Association



RESUME BOOK 2026

Ten student teams. Real problems from Ontario's general contractors. Real solutions.

■ PRODUCTIVITY OPTIMIZATION ■ SAFETY INNOVATION ■ SUSTAINABILITY SOLUTIONS

FINAL SHOWCASE

August 25, 2026

Limberlost Place, 185 Queens Quay E, Toronto



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Ten teams, ten industry problem statements

SECTION TWO

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A note on this edition

Section One profiles all ten Phase Two teams and every student on them. Section Two contains the resumes of the students who submitted one. Resume content appears as submitted by each student.



ABOUT THE PROGRAM

Introducing GLIP

The General's Lab Innovation Program is a province-wide accelerator that connects post-secondary students with real, contractor-defined construction challenges, guided by experienced industry mentors. It is housed within the OGCA framework and operates across Ontario.

GLIP is not a competition, a hackathon or a simulation. It is a structured build. The problems come from OGCA member firms and describe things those firms are wrestling with today. The output is a feasible, implementable solution rather than a concept paper.

How it works

- 01 OGCA member firms identify real, unsolved challenges from their jobsites in safety, productivity or sustainability.
- 02 Those challenges become the program's problem statements. Students receive real briefs, not hypotheticals.
- 03 Multidisciplinary student teams form across Ontario institutions, spanning engineering, construction management, computer science and business.
- 04 Each team is paired with an industry mentor who provides operational context and pressure-tests ideas against cost, schedule, safety and constructability.
- 05 Teams build, iterate on mentor feedback, and present at the Final Showcase.

What that means for the students in this book

Every student on the following pages has spent 8 months working on a live industry problem alongside senior practitioners. They arrive understanding the operational realities, carrying a contribution they can point to, and already connected to the firms building Ontario.



WITH THANKS

Thank You to Our Sponsors

GLIP runs because a group of organizations invested in the next generation of construction talent: their prototypes, the mentorship, and the showcase that brought this cohort's work into the open.

The graphic poster features a dark blue background with a subtle circuit pattern. At the top, logos for OGCA (WE BUILD ONTARIO) and AMERICAN GLOBAL CANADA are displayed. The GLIP logo is on the left. The central text reads 'THANK YOU Sponsors!' with 'Sponsors!' in a large, blue, cursive font. Below this, a quote states: 'Your support powers innovation, builds futures, and strengthens the next generation of leaders.' The poster is divided into two main sections: 'PARTNERS' and 'SUPPORTERS'. The 'PARTNERS' section includes logos for Alberici, Eastern Construction, GEN-PRO (General Contracting + Project Management), Highline Beta, Maple Reinders, SURETY ASSOCIATION OF CANADA (YOUR BONDING RESOURCE), and TESC. The 'SUPPORTERS' section includes logos for ForwardPath (AI PARTNERS), eddy, and REVIT HERO (Next Level Skills). The bottom of the poster features a stylized city skyline.

OGCA WE BUILD ONTARIO | **AMERICAN GLOBAL CANADA**

GLIP GENERAL'S LAB INNOVATION PROGRAM

THANK YOU Sponsors!

Your support powers innovation, builds futures, and strengthens the next generation of leaders.

PARTNERS

Alberici | **EASTERN CONSTRUCTION** | **GEN-PRO**
General Contracting + Project Management

Highline Beta | **Maple Reinders**

SURETY ASSOCIATION OF CANADA
YOUR BONDING RESOURCE | **TESC**

SUPPORTERS

ForwardPath AI PARTNERS | **eddy** | **REVIT HERO**
Next Level Skills



PROGRAM LEADERSHIP

The Team Behind GLIP

GLIP is backed at the executive level by the OGCA and American Global, and run day to day out of the program office. The people below set the program's direction, opened the doors that made contractor-defined problem statements possible, and carried the build from first brief to final showcase.

**Giovanni Cautillo**

EXECUTIVE SPONSOR

President

OGCA

Accomplished construction industry leader with extensive experience in association leadership, advocacy, government relations, and strategic planning. As President of the OGCA, Giovanni works to strengthen Ontario's construction industry through collaboration, practical policy, innovation, and industry-wide representation.

**Chris Greene**

EXECUTIVE SPONSOR

SVP of Innovation & Insights

AMERICAN GLOBAL

Award-winning innovator working at the intersection of construction, technology, and insurance, driving digital transformation in risk management through data intelligence, automation, and platforms such as C-RISQ.

**Tam Lather**

PROGRAM LEAD

Analytics & Innovation

AMERICAN GLOBAL

Leads the development and delivery of a province-wide construction innovation accelerator from the ground up. Tam works at the intersection of technology, innovation, and the built environment, turning ideas into practical programs, systems, and opportunities for the next generation of industry talent.



ADVISORS AND ADVOCATES

Mentor Roster

GLIP mentors build Ontario. They lead projects at some of the largest general contractors in the country and provide our students operational context throughout the build. They joined the calls, opened doors to real site data and real procurement constraints, and told students plainly when an idea would not survive contact with a jobsite. That kind of access is rare at any point in a career. These students got it before they graduated.

**David Fleet****LEAD MENTOR**

BIM/VDC Lead, P.Eng.

ALBERICI CONSTRUCTORS

Leads BIM and virtual design and construction strategy for large-scale civil and industrial projects across North America, integrating digital delivery, constructability intelligence, and model-based coordination.

**Shaun Dawson**

President

GEN-PRO

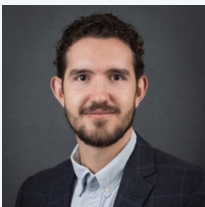
President of GEN-PRO, bringing 25 years of experience, known for his people-first leadership style, emphasizing strong teams, mental health, and long-term success alongside project delivery.

**Julie Zulich**

Owner & CEO

TESC CONTRACTING

Leads an integrated construction services firm delivering industrial, infrastructure, and institutional projects across Northern Ontario, while actively advocating for women in construction.

**Benjamin Joyce**

Digital Preconstruction Manager (VDC/BIM)

BIRD CONSTRUCTION

Leads digital preconstruction, VDC, and BIM efforts, supporting data-driven planning and coordination across projects.



Marc Drumm

Senior Vice President
AMERICAN GLOBAL

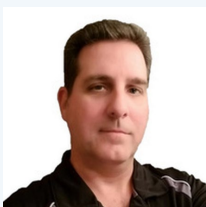
Commercial insurance broker with 40+ years of experience, specializing in construction risk, contract review, and large, complex projects for clients in Canada and internationally.



Aaron Odd

Digital Construction Manager
BIRD CONSTRUCTION

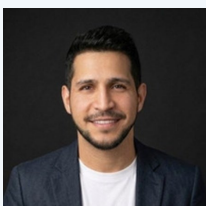
Leads digital construction initiatives, supporting technology adoption and data-driven workflows across projects.



Michael Rennie

Business Development Manager
MAESTRO TECHNOLOGIES INC.

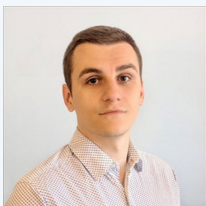
Works with construction companies to implement technology solutions that improve estimating, project management, job costing, accounting, and field operations across cloud, on-premise, and mobile platforms.



Robert Alzuarde

Director of BIM Integration
MATTAMY HOMES

Leads BIM integration strategy across the organization, advancing digital workflows, data-driven collaboration, and technology adoption to improve project delivery, operational efficiency, and business outcomes.



Illia Yaroshenko

BIM/VDC & Innovation Manager (CanBIM CP)
EASTERN CONSTRUCTION

Leads digital transformation initiatives by integrating BIM, VDC, and innovative technologies to enhance planning, delivery, and execution across construction projects.



Julie Zabizewski

VP of Strategy

VESTACON LIMITED

Leads Vestacon's strategic growth through business development, innovation, ESG, and organizational improvement. Julie brings expertise in strategy, leadership, and building high-performing teams.



Chiara Menna

VDC Team Lead - Buildings

MAPLE REINDERS

Works at the intersection of construction and technology, leading VDC efforts for building projects with a focus on visualization, automation, and digital workflows that improve project delivery and asset outcomes.

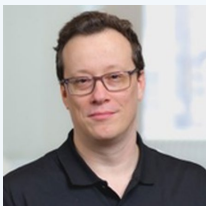


Andrew Sampogna

Vice President

OGCA

Strategic leader focused on building partnerships, advancing the organization's mission, and supporting member engagement across the construction industry.



Ben Yoskovitz

Founding Partner

HIGHLINE BETA

Startup founder, investor, and co-author of Lean Analytics, with over 25 years of experience building and scaling technology companies.



Emilio Barbero

Founder

REVIT HERO

Founder of Revit Hero, Autodesk-certified BIM specialist supporting contractors with practical digital adoption, coordination, and project delivery across architecture, engineering, and construction.



Christopher Hichborn

Business Systems Analyst

AMERICAN GLOBAL

Supports business and systems analysis initiatives, helping improve data, workflows, and technology-enabled processes across the organization.



Nate Greene

Data Intelligence Analyst

AMERICAN GLOBAL

Works on data analysis and reporting to support risk, insurance, and construction-related insights across American Global's platforms and initiatives.



THE COHORT

The Projects

Ten teams progressed to Phase Two, drawn from six institutions across Ontario. Each took on a problem statement sourced from the industry and spent the program building against it.

#	TEAM	INSTITUTION	FOCUS AREA
01	Algonquin Incubator	Algonquin College	■ Productivity Optimization
02	Atlas Construction	George Brown Polytechnic	■ Safety Innovation
03	ConstructMatrix	Centennial College and Queen's University	■ Safety Innovation
04	CORDAX	Queen's University	■ Productivity Optimization
05	EcoPulse	Algonquin College, Carleton University	■ Sustainability Solutions
06	EnviroCore	Algonquin College	■ Sustainability Solutions
07	Frenchaholics	Queen's University	■ Sustainability Solutions
08	KAAS	Western University	■ Productivity Optimization
09	MST	Algonquin College	■ Productivity Optimization
10	TerroNova	Cambrian College	■ Sustainability Solutions



■ PRODUCTIVITY OPTIMIZATION

01 Algonquin Incubator

Algonquin College

The problem

Construction runs on collaboration, yet project data sits in disconnected systems. Schedules, cost codes, procurement logs and field progress rarely speak to one another, and roughly 96% of the data captured on a project is never used. Teams end up making high-impact decisions on incomplete or delayed information, and supply chain bottlenecks surface only once they have already cost time and money.

What they built

The team built UNOX, a machine-readable framework that connects BIM models, schedules, field reports and compliance data into a shared safety ontology. It surfaces real-time risk detection and shared safety intelligence that improves through continuous learning. The team has already identified existing academic ontology frameworks and can build the dashboard and integration logic independently.

THE TEAM

Sina Paslar
Danial Samadi
Erin McNish
Claire McLeman

MENTOR

Michael Rennie
Maestro Technologies



■ SAFETY INNOVATION

02 Atlas Construction

George Brown Polytechnic

The problem

Construction concentrates an unusual density of mental health risk factors: demanding schedules, seasonal instability, chronic pain, injury and persistent fatigue. A jobsite culture that rewards pushing through deepens the stigma and delays anyone asking for help. The cost shows up as incident risk, absenteeism, turnover and long-term disability across the whole workforce, from apprentices to management.

What they built

Atlas Construction built a two-layer wellness platform: workers receive bi-weekly wellness screening, personalized resources and engagement tools, while companies get anonymized wellness analytics tied to productivity insights, with all worker data anonymized before transmission. The team is capable of independently developing both the app and the analytics dashboard.

THE TEAM

Stefan Amsen
Ali Yassine
Dante Flaim
Joey Lindsay
Oran Avivi

MENTOR

Benjamin Joyce
Bird Construction



■ SAFETY INNOVATION

03 ConstructMatrix

Centennial College and Queen's University

The problem

Safety observations and near-miss reports are collected diligently on almost every site, then filed into spreadsheets, forms and paper records and never examined again. Without a methodical way to find patterns or trace root causes, the same incidents recur. Supervisors cannot see which crews or areas need intervention, and workers keep facing hazards nobody has connected the dots on.

What they built

ConstructMatrix built Safety Tracker, an AI-powered analytics platform that ingests safety reports from multiple sources, categorizes and analyzes incidents locally, and generates automated trend reporting while preserving the original reports untouched. Because the analysis runs locally, sensitive data stays within the company's own environment, and a live prototype already exists using Python analytics, Next.js and database integrations.

THE TEAM

Benonia Didi Owusu Ayeh
Jordan Salo
Mitch Dennis

MENTOR

Illia Yaroshenko
Eastern Construction



■ PRODUCTIVITY OPTIMIZATION

04 CORDAX

Queen's University

The problem

Residential and small-commercial construction sits in a digital dark age next to large-scale projects. The small and mid-sized firms that make up 85% of the market still design MEP systems on paper or in static PDFs, cycling through roughly nine versions with no central platform. Between 6% and 14% of total job value is lost to rework caused by clashes and on-the-fly decisions.

What they built

CORDAX built a deterministic routing platform that generates conflict-free MEP routing directly from 3D architectural models, accounting for walls, beams and other spatial constraints and producing IFC outputs compatible with Revit. The working algorithm is already operational, with six paid pilots completed and an estimated \$500K in potential ARR.

THE TEAM

Jack Fejer

MENTOR

David Fleet

Alberici Constructors



■ SUSTAINABILITY SOLUTIONS

05 EcoPulse

Algonquin College, Carleton University

The problem

Construction noise affects residents, public space users, workers and project owners at once, and it is still managed reactively. Monitoring happens through occasional spot checks, so exceedances are discovered after the complaint, the inspection or the work stoppage. In urban and environmentally sensitive areas this turns into delays and cost that better information would have prevented.

What they built

EcoPulse built NoiseGuard Pro, a helmet-mounted sensor that monitors noise exposure in real time, delivers visual and haptic alerts, and tracks exposure history even without an internet connection. The team has already sourced hardware concepts and dashboard development plans, with plus or minus 3 dB hardware accuracy as the next milestone.

THE TEAM

Aysil Hasan
Hailun Song
Dylan Schmidt

MENTOR

Julie Zabizewski
Vestacon Limited



■ SUSTAINABILITY SOLUTIONS

06 EnviroCore

Algonquin College

The problem

Contractors do not consistently track material waste or embodied carbon, and site monitoring for noise and dust remains manual and reactive. Without that visibility, businesses lose money they cannot account for and cannot demonstrate the environmental performance that public-sector bids increasingly require. Existing environmental tools are slow and traditional, with little to draw site teams in.

What they built

EnviroCore built an ML-powered compliance assistant that predicts waste volumes, flags applicable Ontario regulations, estimates disposal costs and surfaces the results on a compliance dashboard, retraining continuously on anonymized project data. A working prototype already generates predictions and regulation alerts from live inputs.

THE TEAM

Jay Thakkar
Merlin Mwangi
Anam Vakil

MENTOR

Julie Zulich
TESC Contracting
Marc Drumm
American Global



■ SUSTAINABILITY SOLUTIONS

07 Frenchaholics

Queen's University

The problem

Noise, dust and vibration on active sites are monitored manually and after the fact, through periodic inspections and manned instruments. Neighbouring residents absorb the disturbance and the property risk, workers absorb the health exposure, and operators absorb the complaints, delays and violations. The consequences are environmental, physical and social, and all three are measurable if anyone is measuring continuously.

What they built

Frenchaholics built TRIPAD, a portable tripod device that continuously measures noise, dust and vibration, sends the data over cellular connectivity, and triggers automated threshold alerts through a cloud-based dashboard as a lower-cost alternative to enterprise monitoring systems. The team has completed initial research and begun defining the hardware and software architecture.

THE TEAM

Ethan Wu
Cameron Joubert

MENTOR

Chiara Menna
Maple Reinders



■ PRODUCTIVITY OPTIMIZATION

08 KAAS

Western University

The problem

Fleet management is broken by a lack of visibility into machine utilisation and cost. General contractors run mixed fleets of owned equipment and rentals from multiple vendors, and the major manufacturers use proprietary telematics that do not talk to each other. The result is ghost rentals: machines idle on site for days, accruing daily fees and burning fuel while nobody notices.

What they built

KAAS built a self-powered, magnetically mounted tracker that runs on piezoelectric vibration harvesting and solar energy, working across multiple machine types without requiring OBD integration. It distinguishes idle from active work time and feeds utilization dashboards, PM-tool integrations and carbon compliance reporting. The team has already purchased piezo modules, begun frequency testing, and developed initial dashboard concepts.

THE TEAM

Krishna Gowda
Ajit Chakma
Amogh Achyuth
Shouvik Samadder

MENTOR

Aaron Odd
Bird Construction



■ PRODUCTIVITY OPTIMIZATION

09 MST

Algonquin College

The problem

The most valuable knowledge a project creates disappears the moment it closes out. Project managers, superintendents, trades and commissioning teams solve real problems in real time and then move on. Owners inherit a building without the decision history behind it, and the next project repeats the rework, misses the same early warning signs and re-litigates decisions that were already settled.

What they built

MST built the Building Intelligence Notebook (BIN), pairing rugged field hardware that captures voice, sketches, photos and field notes with source-linked software retrieval and searchable stakeholder summaries, working offline and syncing when reconnected. The team has already designed core architecture concepts and source-linking logic inspired by NotebookLM.

THE TEAM

Tia Tomerdini
Matt Jerabek
Satellite Nongmaithem

MENTOR

Robert Alzuarde
Mattamy Homes



■ SUSTAINABILITY SOLUTIONS

10 TerroNova

*Cambrian College***The problem**

Portland cement accounts for roughly 8% of global CO₂ emissions and the industry has reached diminishing returns on conventional optimisation. Meanwhile mining generates billions of tonnes of silicate-rich by-products a year, stockpiled indefinitely in regions like Northern Ontario as long-term environmental liabilities. Much of that waste carries the chemistry needed to partially replace cement clinker.

What they built

TerroNova built a process that converts mining byproducts into a supplementary cementitious material capable of replacing up to 50% of traditional cement, while maintaining concrete strength, durability and compatibility with existing production systems. Prototype validation is already underway, alongside multiple technical partnerships and recognition through innovation competitions.

THE TEAM

Nicholas Arkuh
Emily Harrison
Megan Giroux

MENTOR

Julie Zulich
TESC Contracting



SECTION TWO

Resumes

The students behind the ten projects.

IN THIS SECTION

- **Algonquin Incubator** Sina Paslar · Erin McNish
- **Atlas Construction** Stefan Amsen · Ali Yassine · Dante Flaim
- **ConstructMatrix** Benonia Ayeh · Jordan Salo
- **CORDAX** Jack Fejer
- **EcoPulse** Aysil Hasan · Hailun Song
- **EnviroCore** Jay Thakkar · Merlin Mwangi
- **Frenchaholics** Ethan Wu
- **MST** Matthew Jerabek
- **TerroNova** Nicholas Arkuh

SINA PASLAR

Software Developer | Construction Safety, AI & Full-Stack Systems

Ottawa, ON | sinapaslar@gmail.com | LinkedIn | GitHub

CONSTRUCTION SOFTWARE PROFILE

Programmer and product-minded team lead building practical software for construction safety workflows. Co-developed Hippodamus and Riley, an AI-assisted platform that reviews safety forms, surfaces evidence-backed gaps, supports manager approval, and maintains an audit trail. Combines Python, FastAPI, PostgreSQL, full-stack development, AI orchestration, automated testing, and frontline supervisory experience to turn real operational problems into clear, usable tools.

FEATURED CONSTRUCTION TECHNOLOGY PROJECT

Hippodamus / Riley Construction Safety Platform | GLIP Hackathon Winner

2026

- Built Riley as a complete document-review capability for digital, scanned, and photographed safety forms, including site inspections, vehicle inspections, toolbox talks, daily reports, and job hazard analyses.
- Developed AI-orchestration and retrieval workflows that identify completeness and consistency gaps, draft evidence-backed findings and clarification questions, and preserve human approval for consequential actions.
- Implemented and hardened Python/FastAPI services, PostgreSQL and vector retrieval, project-scoped JWT authorization, audit logging, notifications, automated tests, and Dockerized development workflows.
- Designed for construction adoption: manager editing and approval, deficiency notices, submitter status, inbox alerts, document history, privacy-conscious local-model options, and integration alongside systems such as Procore or BIM 360.
- Helped lead product discovery with construction professionals and translated field feedback into inspection, reporting, and review workflows; project won the GLIP hackathon and received a \$5,000 continuation grant.

ADDITIONAL SOFTWARE PROJECTS

Auspicious Accessibility Platform | Team Lead / Client Contact / Developer

2026

- Led a five-person client team delivering accessible Next.js, TypeScript, Tailwind CSS, and Supabase features from requirements through testing, deployment, documentation, and production handoff.

Course Similarity GraphRAG System | Team Lead / Developer

2026

- Supervised developers building a Python, Neo4j, ChromaDB, Docker, and LLM-assisted system for structured extraction, graph relationships, semantic retrieval, validation, logging, and automated testing.

EXPERIENCE

Entrepreneurship Co-op, Computer Programming | Algonquin College

Sep 2025 – May 2026

- Developed eight functional applications across 12+ Agile sprints, connecting user needs and business goals to implementation, APIs, databases, testing, debugging, documentation, and iterative delivery.

Peer Tutor, Computer Programming | Algonquin College

Oct 2025 – Present

- Coach 10+ students in programming, object-oriented design, data structures, databases, Linux, networking, and systematic debugging using clear, practical explanations.

Chef Supervisor I / Supervisor | Farm Boy Inc.

Aug 2025 – Present

- Lead daily operations and staffing for a 10+ person team, train employees, enforce safe-work and quality standards, and resolve time-sensitive issues in a high-volume environment.

TECHNICAL SKILLS

Programming Languages: Python, Java, C, Go, JavaScript, TypeScript, SQL, PL/SQL	Web & Backend: FastAPI, Next.js, React, REST APIs, Node.js, Supabase
AI & Data: RAG/GraphRAG, agent orchestration, vector retrieval, Pydantic, Neo4j, ChromaDB	Databases & Infrastructure: PostgreSQL, pgvector, MySQL, MongoDB, Docker, GitHub Actions, Linux
Testing & Delivery: pytest, Vitest, JUnit, CI/CD, API integration, debugging, technical documentation	Product & Leadership: Requirements discovery, client communication, team leadership, training, Agile planning
Cloud & Tools: Git, GitHub, Vercel, PostHog, Ollama, Claude, Codex	Construction Focus: Safety-document workflows, auditability, HITL approvals, field-to-software translation

EDUCATION & CERTIFICATIONS

Computer Programming Diploma | Algonquin College — GPA: 3.93

Expected Aug 2026

Certifications: GraphRAG Essential Training (May 2026) | Machine Learning with Python: Foundations (Nov 2025) | Python Object-Oriented Programming (Nov 2025)

ERIN MCNISH

erinmcnish2@gmail.com | 6138039423 | Ottawa ON

PROFESSIONAL SUMMARY

Driven Bachelor of Commerce (Marketing) Honours student with strong customer-facing communication, relationship-building, and business development experience. Proven ability to communicate value and engage stakeholders through entrepreneurial ventures, business pitches, and strategic marketing projects. Three-year honour roll student with strong interests in sales, marketing, and business growth.

CORE COMPETENCIES

Relationship Building | Business Development | Strategic Thinking | Problem Solving
Public Speaking & Pitching | Sales | Market Research | Stakeholder Engagement

TECHNICAL SKILLS

Figma | Microsoft Office Suite | Adobe Creative Suite | Canva | POS Systems

BUSINESS EXPERIENCE

Co-Founder & Creator – Tallya Public Safety Tech Venture

Ottawa, ON | May 2026 – Present

- Co-founded an early-stage public safety tech venture addressing nightlife safety in Ottawa.
- Led market research, stakeholder outreach, and business development efforts.
- Built product mockups and pitch materials for stakeholders.
- Successfully pitched the venture to industry professionals and external partners.
- Awarded top overall pitch recognition through Algonquin College.

B2B Sales Innovation Competition – GLIP Hackathon

Ottawa, ON | May 2026 – Present

- Collaborated on a four-person team to develop a B2B technology solution.
- Conducted research and contributed to solution development.
- Presented recommendations to industry professionals in a competitive setting.
- Advanced to Phase Two based on solution strength and presentation performance.

Marketing Strategy Presentation – OSEG

Ottawa, ON | Mar 2025

- Co-developed and presented a strategic marketing solution to executives.
- Conducted market research and developed audience engagement recommendations.
- Delivered a professional client-facing presentation in a live business setting.

Winner – Algonquin Marketing Case Competition

Ottawa, ON | Sept 2025 – Dec 2025

- Selected as a founding member of Algonquin's inaugural degree-level case competition team.
- Developed and delivered a B2B marketing and sales pitch for Fastenal.
- Applied strategic thinking and data-driven problem solving.

Featured Talent – Algonquin Marketing Campaign

Ottawa, ON | Sept 2024 – Dec 2024

- Selected to represent Algonquin College in a multi-channel marketing campaign.

- Collaborated on branded content and audience messaging.
- Gained experience in campaign communication and brand positioning.

EDUCATION

Expected in Dec 2027

Bachelor of Commerce (Marketing Honours): Marketing

Algonquin College | Ottawa

- Honour Roll, all three years

WORK EXPERIENCE

Apr 2023 - Current

Server

1000 Islands Brewery - Brockville, ON

- Delivered high-quality customer service in a fast-paced hospitality environment.
- Increased sales through product recommendations and customer engagement.
- Built strong communication skills with diverse clientele.

May 2025 - Aug 2025

Sales Associate

Trove Fashion - Ottawa, ON

- Assisted customers with personalized styling and product recommendations.
- Supported visual merchandising and brand presentation.
- Strengthened knowledge of retail sales and consumer behaviour.

Feb 2019 - Dec 2024

Server/Hostess/Food Expeditor

Kelseys Original Roadhouse - Brockville, ON/Ottawa, ON

- Coordinated communication between front and back-of-house teams.
- Created positive customer experiences in high-volume environments.
- Managed POS transactions and takeout orders.

Sep 2023 - May 2024

Server

Moxie's Grill & Bar - Ottawa, ON

- Delivered elevated guest experiences aligned with premium brand standards.
- Built customer rapport to encourage repeat business.
- Supported onboarding and training of new staff.

STEFAN AMSEN

Toronto, ON | 416-676-5683 | stefanamsen@mac.com | amsendesign.ca

PROFESSIONAL SUMMARY

Construction Project Management student with hands-on experience supporting residential landscape construction projects ranging from \$60K to \$2M+, including design, estimating, procurement, technical drawing development, and multidisciplinary trade coordination. Experienced collaborating with Project Managers, architects, engineers, suppliers, and trades to support constructability, utility integration, and project execution across custom residential environments.

PROJECT EXPERIENCE

56 Scotch Valley – Private Custom Residence

~\$2M Landscape Construction Scope within ~\$30M Custom Residential Estate | Landscape Project Lead & Technical Coordination

- Led landscape scope execution, coordinating design, procurement, crew workflow, and trade integration within a ~\$30M custom residential estate
- Coordinated multidisciplinary trade integration including HVAC, electrical, plumbing, and custom fabrication systems
- Resolved concealed utility routing challenges through engineer-approved coordination drawings
- Developed custom design concepts, technical drawings, details, and visualization packages to support coordination, constructability review, and execution of high-end residential features
- Developed outdoor kitchen and custom fabrication drawings used by contractors for takeoffs and installation planning
- Coordinated procurement activities, supplier pricing, fabrication logistics, and owner-driven revisions

5820 16 Side Rd – Private Custom Residence

~\$500K Residential Landscape Scope | Design & Pre-Construction Coordination

- Supporting pre-construction planning, technical design coordination, and constructability review
- Developing design, drawings, and elevations for project planning
- Coordinating integration of exterior systems and custom residential features prior to construction

Rice Lake – Lakeside Cottage Development

~\$60K Residential Construction Project | Design & Coordination Support

- Delivered site layout and design, exterior masonry, planting, and installation coordination
- Supported sequencing, material planning, and project execution within site-specific conditions

PROFESSIONAL EXPERIENCE

Owner / Landscape Project Lead

Amsen Design Inc. | 2024 – Present

- Manage delivery of custom residential construction projects including designing, estimating, procurement, budgeting, and client coordination
- Prepare quantity takeoffs, Excel-based cost estimates, and pricing proposals
- Coordinate supplier pricing, procurement, negotiations, requisitions, and delivery logistics
- Reduced specialty fabrication costs through supplier pricing analysis for custom stainless steel hot tub systems
- Produced technical drawings, coordination details, and visualization packages used by trades for installation planning.
- Issued revised drawings and coordination details in response to owner-driven changes and evolving site conditions
- Directed workflow priorities for crew members during project execution
- Applied AI-assisted workflow systems to improve project coordination and operational efficiency
- Developed comparative pricing options and material alternatives to support owner budgeting, value decisions, and project scope alignment

Landscaper / Design & Drafting Support

D.G. Gardening Inc. | 2016 – 2023

- Supported residential construction projects through site preparation, layout coordination, and sequencing support
- Produced AutoCAD drawings, renders, and quantity takeoffs
- Assisted with estimating support, logistics coordination, and project execution activities

Landscape Assistant & Drafting Support

Dunkerron Nurseries | 2015 – 2016

- Assisted with technical drawings and installation coordination activities

Carpenter's Assistant

Corridaro Construction | 2015 – 2016

- Assisted with construction activities while gaining exposure to sequencing and trade coordination

PROJECT MANAGEMENT & ESTIMATING SKILLS

- Construction sequencing and workflow coordination
- Quantity takeoffs, budgeting, procurement coordination, and supplier pricing analysis
- Technical drawing development and interdisciplinary trade coordination
- Constructability-focused problem solving and utility integration coordination
- Microsoft Project coursework including Gantt charts and activity sequencing

TECHNICAL SKILLS

- Design & Drafting: AutoCAD | SketchUp | V-Ray | Revit
- Project Controls & Coordination: Microsoft Project | Bluebeam | Excel
- Financial & Administrative Systems: Sage | PayEvo | Hubdoc | Xero

EDUCATION

Honours Bachelor of Technology – Construction Project Management (In Progress)

George Brown College, Toronto, ON

- 4.0 GPA across 4 semesters
- Dean's Honour Roll (4 consecutive semesters / 2 years)
- Recipient of the Building & Concrete Restoration Association Award
- Highest Building Science Project Grade (97.7%)
- Capstone research focused on electro-deposition stone systems
- Expected Completion: 2028

Honours B.Sc. Psychology (Incomplete)

Trent University

- Completed 3 years | Final Average: 81%

ADDITIONAL RECOGNITION & DEVELOPMENT

- Stage 2 participant in GLIP innovation program supporting development of a workforce wellness platform for the construction industry
- Applied AI-assisted workflow systems to improve project coordination and communication

CERTIFICATIONS

- Mental Health First Aid (MHFA) - Previously Certified
- SafeTALK - Previously Certified
- Applied Suicide Intervention Skills Training (ASIST) - Previously Certified

Ali Yassine – 2nd Year Construction Management Student

647-720-9479 | ali.yassine@georgebrown.ca

Professional Summary

Second-year Construction Management student with hands-on structural concrete and building envelope experience and academic training in scheduling and estimating. Dean's Honour List student (GPA 3.93) seeking a summer internship in project coordination or scheduling.

Skills

Construction Scheduling • Construction Estimating • Blueprint Reading • Microsoft Project • Microsoft Excel • Bluebeam Revu • Revit • Reinforced Concrete • Formwork Systems • Building Envelope Systems • Construction Site Safety • Crew Supervision • Material Coordination

Education

Honours Bachelor of Technology (B.Tech.) – Construction Management

George Brown College – Angelo DelZotto School Of Construction Management

Graduation Expected: 2028 | GPA: 3.93 (Dean's Honour List)

Work Experience

Labourer *Libros Building Restoration Ltd.*

Summers 2018, 2019, 2021, 2022

- Installed reinforcing steel (rebar) and formwork systems; placed and finished concrete for structural repairs, balcony restorations, and concrete pier installations
- Executed structural demolition and concrete restoration on multi-unit residential buildings, including ready-mix slab placement with wire mesh reinforcement
- Installed and operated swing stages for high-rise façade and balcony restoration projects
- Completed building envelope rehabilitation including air/vapour barriers, waterproofing systems, and glazing and brick/mortar repairs
- Supervised three workers while maintaining strict construction site safety standards and coordinating materials across 5+ active job sites

Sheet Metal Apprentice *Spiral Masters Sheet Metal Manufacturing*

May 2023 – August 2023

- Operated plasma cutting and fabrication machinery to produce and assemble custom HVAC ductwork according to shop drawings and quality standards
- Conducted final quality checks prior to shipment to ensure dimensional accuracy and proper assembly
- Consistently met production deadlines in a fast-paced manufacturing environment

- Operated sidewalk snowplow equipment to maintain safe pedestrian access during winter conditions at Centennial College's Progress Campus.
- Performed snow and ice management during extended shifts while meeting safety and quality standards
- Coordinated with team members to execute assigned snow-clearing routes efficiently and on schedule

Volunteering

- Al Huda Muslim Society – 10+ Years Community Involvement
- Chair, Al Huda Male Youth Committee (2025)
- Habitat For Humanity

Additional Achievements

- Fluent in English and Arabic
- Building and Concrete Restoration Association Award Recipient
- Dean's Honour List Recipient

Dante Flaim

40 Kildrummy Gate, Vaughan ON, L6A 2W9 | (647) 702 - 5916 | dante.flaim06@gmail.com

Education

George Brown College, Toronto ON

Current **GPA: 4.00**

Hons. B.Tech. – Construction Management

Expected Graduation: Spring 2028

Work Experience

Integral Window Systems, *North York ON*, Lead Hand

[Summer 2022 / 2026]

- Worked with both power and hand tools such as miter saws, screw guns and nail guns while assembling various types of components throughout the manufacturing of window systems.
- Operated and maintained industry specific equipment and various CNC machinery at various stages in manufacturing process.
- Performed shipping & receiving duties, such as loading and offloading material and product.
- Trained new hires on safety procedures, and production standards.
- Developed and introduced new techniques and processes to improve work efficiency.
- Directed workflow and task assignments to improve output and minimize downtime

Perfect Fit Windows and Doors, *Maple ON*, Installation Assistant

[Summer 2020 / 2021]

- Ensured a tidy setting in clients' residences during window installations.
- Assisted in transporting construction materials across various job sites.
- Upheld safe practices on job sites, handling power tools, ladders, scaffolding, and other equipment.

Volunteer Experience

Habitat For Humanity, Restore Volunteer

[June. 2022 – April. 2023]

- Moved and priced product, unboxed donations
- Provided basic customer service, advising customers on product choice and answering questions.
- Cleaned the store at the end and beginning of each day ensuring a safe and organized space for customers

Knights of Columbus, Parish Volunteer

[March 2019]

- Volunteered for the Sacred Heart Parish Bazaar, setting up booths, and managing sales at one of the booths.
- Participated in the pancake breakfast event preparing and serving food for parishioners at Sacred Heart Parish

Sacred Heart Parish, Altar Server

[July. 2012 – Present]

- Assisted priest during masses performing basic liturgical duties.
- Trained new altar servers to participate in the mass.
- Received *The Bishop's Altar Server Award* for commitment and excellence in serving.

Musaic School of Music, Volunteer Performer

[2012 – 2019]

- Performed piano pieces for seniors at long term care homes including Richview Manor, and Maple Health Center

Key Skills

Certifications

- | | | | |
|-----------|--------------------|--------------------------|----------------------------|
| • Java | • Microsoft Office | • French/Italian Fluency | • French Immersion Diploma |
| • AutoCAD | • DaVinci 360 | • Google Suite | • WHMIS 2015 |

BENONIA AYEYEH

437-974-6577 | bayeh@my.centennialcollege.ca | [LinkedIn](#) | github.com/benonia-ayeh

Education

Centennial College, Toronto, ON

Expected December 2027

Software Engineering Technology (Co-op) Advanced Diploma (Fast-Track) • GPA: 3.9 • Availability 4- month- coop, Fall 2026

Kwame Nkrumah University of Science and Technology, Ghana

Graduated December 2024

Bachelor of Science in Computer Science

Technical skills

Languages: JavaScript, Python, Java, C#, Kotlin Jetpack Compose, TypeScript, HTML5, CSS, XML, JSON

Web Development: React, Next.js, Node.js, Express.js, REST APIs, responsive design

Generative AI & Machine Learning: Claude API, Google Gemini, LLM integration, prompt engineering, voice AI architecture, AI model integration

Full-Stack Development: Front-end and back-end development, database design, system architecture, real-time data synchronization

Learning Technologies: Azure (foundational), Git, Agile/Scrum, data analysis, system optimization

Databases: MongoDB, SQL, Firebase, Supabase, relational and NoSQL systems.

Data & Visualization: Data analysis, insights extraction, API data handling, performance metrics.

Work Experience

Software Engineer - Systems & Operations

November 2024 - July 2025

West Africa Gas Pipeline Accra, Ghana

- Built full-stack web applications using Node.js, React, REST APIs; managed product development lifecycle
- Designed and implemented REST APIs; optimized performance through code reviews and system monitoring
- Executed comprehensive test cases, created QA plans, and coordinated quality control; debugged complex issues systematically
- Created user documentation and technical support materials; applied Agile development methodologies.

Software Engineer Intern - Product Support & Quality

October 2022 - December 2022

West Africa Gas Pipeline, Accra, Ghana

- Provided technical support to **150+ users**; diagnosed and resolved hardware/software issues end-to-end
- Executed test cases and identified defects; created test documentation and troubleshooting procedures
- Performed data analysis to identify patterns and improve system performance

Projects

Everly - AI companion platform enabling voice - GenAI Gensis Hackathon

March 2026

<https://github.com/everlyai/> | Next.js, React, TypeScript, Supabase, VAPI, Claude AI, ElevenLabs

- Designed and built intelligent voice AI system integrating Claude LLM for natural conversations; engineered real-time voice pipeline with **<2sec latency**.
- Analyzed user behavior data to optimize AI responses; extracted insights for improvement (**~85% medication adherence accuracy, 92% completion rate**), shipped in **36 hours**
- Designed caregiver dashboard: mood sentiment, medication status, health flags, captured memories; Supabase + Next.js real-time sync
- Demonstrates capability to integrate AI models, analyze data, and build scalable solutions under time pressure.

VolunteerHub - MERN Stack Team Project – Backend Developer

April 2026

<https://github.com/benonia-ayeh/volunteerhub> | MongoDB, Express.js, React, Node.js, JWT authentication

- Built RESTful APIs and full-stack application; designed database schema and analyzed data patterns
- Implemented secure authentication; collaborated on system design and optimization
- Applied Agile practices and participated in continuous improvement discussions

BENONIA AYEYEH

437-974-6577 | bayeh@my.centennialcollege.ca | [LinkedIn](#) | github.com/benonia-ayeh

Projects

IT Service Desk Management System

July 2025

<https://github.com/Bayehd/service-desk-mobile> | *Next.js, Node.js, REST APIs, Firebase*

- Built full-stack AI-enhanced application integrating Google Gemini 2.0 API for intelligent ticket recommendations
- Designed database schema and implemented REST APIs; tested API endpoints and analyzed performance metrics.
- Created comprehensive documentation and system analysis; implemented features based on user feedback and data insights

Jordan Salo

jordan.salo1@gmail.com | Orangeville, Ontario, Canada | github.com/JJsalo

Programming Languages & Experience

Python | C# | HTML | CSS

WORK EXPERIENCE

AIR CANADA | Toronto, ON | A220 | First Officer **2025- Present**

Acting as first officer of Airbus A220. Responsible for the safe operation of the aircraft and duties as assigned by the captain.

ONTARIO MINISTRY OF NATURAL RESOURCES | Sudbury, ON | DHC-6, DHC-2T | Captain **2023-2025**

Acting as single pilot in command of DHC-6 on amphibian landing gear for the purpose of fire suppression duties and on wheels for two crew IFR operations. Flying a DHC-2T on amphibian landing gear and tail wheel configuration for the purpose of survey, passenger transport, and aerial photography.

CANADIAN NORTH/ FIRST AIR (Iqaluit, ON) | ATR 42 | Captain & Ground School Instructor | **2020-2023**

Acting as First Officer, and later Captain in an arctic operation. Responsible for the safe operation of aircraft and crew. Operating in a two crew environment, managing personnel, resources, reviewing flight plans, and weather. Acting as a ground school instructor for initial and recurrent ground school. Responsible for teaching standard operating procedures, flows and usage of checklists, company manuals, and flight management systems.

THUNDER AIR/ CLARKS AIR SERVICE (Ontario) | BE10, DHC-2, DHC-3 | Captain & First Officer | **2015-2020**

Responsible for safe operation of the aircraft. Loading, unloading, weighing, flight planning and recording as required. Maintenance of fly in outposts.

CONFEDERATION COLLEGE (Thunder Bay, ON) | Flight Instructor | **2013-2015**

Responsible for the ground and in-flight instruction of student pilots towards their private and commercial pilot license. In class instruction to groups of 20-30 students. Use of scheduling and safety management system software. Responsible for student record keeping including logbooks, pilot training records and aircraft journey log and maintenance records.

EDUCATION & ACHIEVEMENTS

CENTENNIAL COLLEGE (Toronto, ON) | **2025- PRESENT**

First Semester | Software Engineering Technology

CONFEDERATION COLLEGE (Thunder Bay, ON) | **2011-2013**

Advanced Diploma | Aviation Flight Management | Honour Roll

FLEMING COLLEGE (Haliburton, ON) | **2016**

Ontario College Certificate | Artist BlackSmith

EDUCATION

Queen’s University – Engineering and Applied Science (BASc.) <i>Mathematics and Engineering: Computing and Communications</i>	Kingston, Canada <i>Class of 2026</i>
- Academics: Principal’s Scholarship (Top 5% of incoming class), Queen's Founders and Innovators Initiative (QFII) - Coursework: Statistical Learning, Optimization & Control of Stochastic Systems, Information Theory, Stochastic Processes & Applications, Data Compression & Source Coding, Complex Analysis	
Upper Canada College – International Baccalaureate (IB) Program <i>Ontario Secondary School Diploma, IB Diploma</i>	Toronto, Canada <i>Class of 2022</i>
- Awards: Honor Roll with Distinction (95%+ avg), Mowbray’s House Prefect, Principal’s Award in Art, John Howard Award in Art - Leadership: World Affairs Conference (Executive Head), Varsity Lacrosse Captain, Varsity Swimming Captain (6x OFSAA Podiums), The Blue and White (Head of Design), UCC Gold Service Award Recipient (200+hrs/year)	

EMPLOYMENT EXPERIENCE

CORDAX, Founder	Toronto, Canada – 2026
- Software automating MEP design and coordination for commercial BIM projects, cutting months to minutes. - Built optimization algorithms for clash-free MEP routing, reducing pathway length and material usage by up to 15–20%. - Secured pilots with commercial contractors and MEP firms collectively serving multi-billion-dollar construction portfolios. - Awarded non-dilutive funding through Queen’s, the Government of Canada, Autodesk, AWS, Top 3 venture in NEXT Canada 26’	
DIALOG, Engineering Consultant	Toronto, Canada – 2024
- Developed parametric optimization algorithms in Grasshopper/Python for building performance and LEED benchmarking. - Introduced computational fluid dynamics analysis to guide building system design for psychrometric optimization - Researched and integrated BIM technologies for mechanical system design, presenting insights to senior leadership & teams	
PCL Construction, Engineering Intern	Toronto, Canada – 2023
- Supported delivery of major commercial projects, including the Rogers Centre Renovation and 160 Front St W - TD Tower - Coordinated multidisciplinary drawings, RFIs, and change orders between consultants, subcontractors, and field teams. - Conducted cost design, analysis, and estimation to assist in optimizing budgets for active construction scopes	

EXTRACURRICULAR ACTIVITIES

Midfield, Queen’s University Varsity Lacrosse & Hungary National Lacrosse Team	2022-2026
Quantitative Analyst, Queen’s University Algorithmic Network and Trading Team (QUANTT)	2024-2025
Founder, Sunshine Watersports – Federally licensed watersports school. Achieved \$50k+ in revenue	2020-2022
Laborer, Nordcap Construction – Assembly of steel docks and maritime structures	2020-2021

SKILLS

Technical: Java, C, C++, SQL, MATLAB, Grasshopper, VHDL, R
Software: InDesign, Bluebeam, BIM360, AutoCAD, Rhino, IES VE, ANSYS, Revit, SolidWorks, Autodesk (Fusion 360, CFD, Inventor)
Certifications: LEED GA, Mastercard Advisors & Consulting Services Job Simulation, Microsoft Azure Fundamentals

ACHIEVEMENTS

- **NEXT Canada’s NEXT36 Cohort 2026** – 36 of Canada’s top entrepreneurs. 2% acceptance rate
- **IRONMAN 70.3 Muskoka**

Aysil Hasan

(343) 558-2555 | hasa0079@algonquinlive.com | Ottawa, ON

PROFESSIONAL PROFILE

Detail-oriented Building Science student with a strong background in architectural technology, BIM modeling, and digital documentation. Experienced in translating existing site conditions into accurate 3D models and technical drawings for heritage, residential, and mixed-use projects. Adept at collaborating with multidisciplinary teams, applying building science principles, and delivering accurate, high-quality work in fast-paced professional environments.

EDUCATION

Algonquin College, Ottawa, ON | **Major:** Bachelor of Building Science (Conservation of Heritage Buildings Honors) – GPA: 3.68/4.0 | Sep. 2024 – Present

Algonquin College, Ottawa, ON | **Major:** Diploma of Architectural Technician – Cumulative GPA: 3.11/4.0 | Jan. 2022 – April. 2024

Honours & Awards: Dean's List in 2025 Winter, 2025 Fall, and 2026 Winter semesters.

TECHNICAL SKILLS & QUALIFICATIONS

Design & BIM: AutoCAD, Autodesk Revit, SketchUp, InfraWorks, Twinmotion.

Digital Documentation: Cyclone Register 360, ReCap, Point Cloud Processing, 3D Modeling.

Construction Knowledge: Ontario Building Code (OBC), Building Construction Methods, Architectural Documentation, Quality Assurance.

Software: Microsoft Office Suite (Excel, Word, Outlook).

Languages: English (Fluent), Arabic (Fluent), Turkish (Intermediate).

Driver's License: Full G Driver's License (obtained October 2025).

RELEVANT EXPERIENCE

Research Assistant | Faculty of Building Science, Algonquin College, Ottawa, ON | *Present*

- Conduct software-based simulations to analyze building performance, contributing to data-driven research that supports innovative, sustainable design solutions.
- Collaborate with faculty to document findings and prepare technical reports, ensuring accuracy and clarity in project deliverables.
- Apply building science principles to simulate real-world conditions, supporting accuracy in research and modeling workflows.

3D Tech. Co-op Student | National Capital Commission (NCC), Ottawa, ON | *June – Sep 2024*

- Executed high-definition 3D laser scanning for heritage and capital projects, capturing precise existing conditions to serve as the benchmark for design and conservation.
- Processed raw scan data using Cyclone Register 360 to generate accurate point clouds, ensuring digital models aligned with physical site constraints.
- Developed detailed BIM models in Revit, integrating point cloud data with CAD references to support design teams in visualizing complex geometries and planning renovations.
- Maintained model accuracy for multiple projects, ensuring reliable documentation for downstream architectural and engineering work.

3D Modelling Co-op Student | National Capital Commission (NCC), Ottawa, ON | *May – Sep 2023*

- Assisted in converting raw survey data into actionable digital assets, supporting multi-disciplinary teams in project planning and site analysis.
- Gained hands-on experience in translating real-world conditions into digital environments, contributing to conservation and planning efforts.

Building Co-op Student | Mississippi Mills Municipality (DEV), Almonte, ON | *May – Present*

- Support municipal building department operations by assisting with permit inquiries, documentation management, project coordination activities, and maintaining accurate records for building and development projects.

LEADERSHIP & VOLUNTEER EXPERIENCE

Student Representative | Algonquin College, Ottawa, ON | *2025, 2026*

- Acted as the voice for students, attending meetings and advocating for improvements that enhanced the campus experience.
- Bridged communication between students and college leadership, demonstrating a commitment to partnership and community.

Participant | General's Lab Innovation Program (GLIP) Competition By OGCA, Ontario | *Present*

- Collaborate with a cross-disciplinary team to solve real industry challenges presented by general contractors and construction technology partners.
- Work with industry mentors to develop and pitch a solution, demonstrating courage, innovation, and teamwork at the GLIP Showcase.

Participant | CRUNCH Competition Ottawa, ON | *2024*

- Developed and pitched a business idea during a multi-college innovation event, gaining exposure to entrepreneurial thinking and collaborative problem-solving.

Attendee | Women in Tech and Trades (WITT) | *2025, 2026*

- Engaged with professionals in the construction industry, learning about career pathways and advocating for diversity in the trades.

COMMUNITY INVOLVEMENT

Volunteer | Islamic Awareness Week (IAW), Carleton University, Ottawa, ON | *2024, 2025, 2026*

- Volunteered for three consecutive years, assisting with event operations, guiding attendees, and supporting community engagement initiatives.

Media Volunteer | FIFA World Cup 2022, Qatar | *2022*

- Documented fan celebrations and conducted on-site interviews as part of the official media crew, working under tight deadlines to capture and share content.
- Collaborated with a small team to coordinate roles and ensure smooth production in a fast-paced, high-pressure environment.

TRAINING & CERTIFICATES

- Mental Health and Consent Training Workshops (Certificate Earned).
- BECOR webinar: "A low-Carbon Industrialized Below-Grade Retrofit Solution" (Certificate Earned).

Hailun Song

437-660-2948 | song0147@algonquinlive.com | [LinkedIn](#)

CAPM-certified Construction Engineering Technician student with hands-on experience in project cost tracking, contract administration, and project controls on multiple rehabilitation projects at the National Capital Commission. Skilled in cost documentation, change order management, project scheduling, and stakeholder coordination across multiple stages of the project lifecycle. Proficient in AutoCAD (A+), Procore, MS Project, and Excel for project controls, cost reporting, and schedule tracking. Recognized for analytical thinking, strong client-facing communication, and ability to work effectively in multidisciplinary project teams.

EDUCATION

Construction Engineering Technician | Algonquin College, Ottawa | JAN 2025 – AUG 2026

- Three-time Dean's Honour list | GPA: 3.91/4.0
- Related courses: Estimating, Surveying, AutoCAD, Building Systems, Materials, Geographic Information Systems, Health and Safety, Statics, Structural Analysis

Communication University of China | Beijing, China | SEP 2021 – MAY 2023

- Graduate program – Communication studies, Oral History

Bachelor of Arts | **Sarah Lawrence College** | Bronxville, NY | SEP 2015 – MAY 2019

RELATED EXPERIENCE

Project Management Intern | **National Capital Commission** | Ottawa, ON | Jan 2026 – Present

- Conducted site inspections across multiple concurrent projects, documenting progress, site conditions, and construction activities to support project performance monitoring and cost forecasting
- Supported contract administration and cost control activities, preparing purchase orders and change orders while tracking project expenditures against approved budgets
- Reviewed construction drawings and technical specifications to support scope validation, constructability analysis, and coordination between clients, consultants, and contractors
- Tracked project schedules, milestones, and cost activities using MS Excel and MS Project to support integrated time-cost project controls and progress reporting
- Maintained comprehensive project documentation including meeting minutes, tender documents, cost records, and project close-out reports to support audit readiness and project delivery

Traffic Controller | **Thomas Cavanagh Construction** | Ottawa, ON | MAY 2025 – OCT 2025

- Coordinated traffic control operations for active civil construction sites, working closely with construction crews to manage lane closures and pedestrian detours in high-volume traffic environments while maintaining zero safety incidents
- Developed strong communication and situational problem-solving in dynamic, high-traffic environments

OTHER EXPERIENCE

Game Coordinator | Ottawa Sport and Social Club | Ottawa, ON | OCT 2023 – AUG 2024

- Coordinated schedules and on-site operations, applying organization and planning skills transferable to construction project coordination
- Communicated with teams to resolve issues in real time and maintain a safe, efficient environment

Director Assistant Intern | Arrow Factory | Beijing, China | MAY 2021 – OCT 2021

- Assisted with production planning and post-production coordination, managing logistics, schedules, and communication between creative and technical teams
- Supported research, documentation, and editing workflows, developing precision, organization, and collaboration skills valuable in project coordination

Project Assistant Intern | BGI Genomics | Shenzhen, China | MAY 2020 – SEP 2020

- Conducted research and prepared analytical reports and presentations to support project planning and international collaboration
- Coordinated communication between management teams and external stakeholders, strengthening organization, documentation, and cross-cultural communication

TECHNICAL SKILLS

AutoCAD | Procore | MS Project | Excel | GIS | Cost Tracking & Reporting

Project Controls | Cost Management | Contract Administration | Stakeholder Coordination | Construction Drawings

CERTIFICATES

Construction Contract and Risk Management - Developed practical knowledge in construction contract lifecycle management and risk mitigation to support proactive project delivery and minimize claims in civil infrastructure projects.

CAWIC-Schulich Upskilling Certificate Program for Women in Construction - Focused on leadership, communication, and project management skills to support women's advancement in the construction industry

CPR/AED Level C - Certified First Aid Training (valid until 2027)

Certified Associate in Project Management (CAPM) - Project Management Institute (PMI), 2026

Affiliations

Project Management Institute (PMI) – Student Member, CAPM certified

Canadian Association of Women in Construction - Student Member

ACTIVITIES AND INTERESTS

Volleyball – Vice-captain of varsity team for four years; organized local beach volleyball tournaments with over 100 participants, demonstrating teamwork and leadership

Volunteer – Habitat for Humanity ReStore; assisted with logistics, materials handling, and coordination

JAY THAKKAR

B.Arch | Environmental Management & Assessment | CSTS Certified | Ottawa, ON
+1-753-881-6419 | thakkarjay777@gmail.com | [linkedin.com/in/ar-jaythakkar](https://www.linkedin.com/in/ar-jaythakkar)

PROFESSIONAL PROFILE

Construction-experienced professional transitioning into environmental roles, bringing 7+ years of architectural project management, active site supervision, and sustainability credentials (IGBC Accredited Professional) to construction and environmental teams. Recently graduated from Algonquin College's Environmental Management and Assessment program (April 2026), with hands-on training in site assessments, field data collection, GIS mapping, environmental monitoring, and Ontario environmental legislation — including construction and demolition waste management regulations and MOECP compliance frameworks. Holds CSTS, WHMIS, and Ontario Worker Health & Safety Awareness certifications. Proven ability to manage multi-site construction projects, coordinate contractors, enforce quality and safety standards, and integrate environmental compliance requirements throughout the project lifecycle.

CORE COMPETENCIES

Project Management	Budget planning, schedule control, multi-site coordination, vendor management, RFI/submittal tracking
Site Supervision	Construction oversight, quality control, safety compliance, site inspections, contractor coordination
Environmental Sustainability	IGBC AP (Green Building), environmental site assessment, erosion/sediment control, sustainable design
Waste Management & Regulation	Construction & demolition waste diversion, Ontario EPA, O. Reg. 102/94 (Waste Audits), Resource Recovery & Circular Economy Act, Reg. 347, MOECP compliance
HSE & Safety	CSTS, WHMIS, Ontario Worker H&S Awareness, site safety monitoring, corrective action implementation
GIS & Data	GIS mapping (GIS4010/4011), AutoCAD, MS Excel/Access, data collection, field documentation
Communication	Technical reporting, regulatory liaison, multi-disciplinary team collaboration, client consultation

PROFESSIONAL EXPERIENCE

Director & Co-Founder | Studio Keen Innovation LLP

Mumbai / Pune, India (Remote) | January 2022 – July 2025

- Directed end-to-end project management for construction and interior fit-out projects, overseeing budgets up to CAD \$55,000, resource allocation, scheduling, and multi-vendor coordination across concurrent sites.
- Enforced quality control and specification compliance throughout construction phases, conducting regular site inspections and resolving non-conformances to keep projects on schedule.
- Integrated sustainable design strategies aligned with Indian Green Building Council (IGBC) standards, supporting energy efficiency, material selection, and reduced environmental impact.
- Maintained comprehensive project documentation including drawings, progress logs, and change-order records to support regulatory submissions and client reporting.

Project Supervisor | SN Designs

Mumbai, India | February 2025 – July 2025

- Supervised day-to-day site operations across construction projects, ensuring work progressed per approved drawings, specifications, and safety requirements.
- Monitored site conditions, identified hazards, and implemented corrective actions — improving overall site safety and workflow efficiency.
- Coordinated directly with subcontractors, vendors, and trades to resolve scheduling conflicts, design queries, and material issues in real time.
- Conducted site inspections and maintained inspection reports and punch lists, escalating environmental or safety concerns to project leads promptly.

Architect | Vilas Tarwadi Architects & Interior Designers

Pune, India | December 2019 – November 2021

- Led design and construction execution for 12+ projects, preparing technical drawings, specifications, and feasibility studies that met municipal regulatory requirements.
- Reviewed construction activities for conformance with approved drawings and applicable codes, maintaining site-level documentation and field observation reports.
- Liaised with regulatory authorities for building permit submissions, applying knowledge of environmental and zoning by-laws to ensure compliant design outcomes.

Architect | Vivek Bhole Architects Pvt. Ltd.

Mumbai, India | May 2018 – November 2019

- Prepared construction documentation and coordinated with contractors, suppliers, and site teams to resolve design conflicts and sequencing issues.
- Managed competing project deadlines in a fast-paced team environment, contributing to on-time delivery of residential and commercial construction projects.

EDUCATION

Environmental Management and Assessment | Algonquin College

Ottawa, ON | September 2025 – April 2026

- **Field Techniques, Environmental Data Collection & Analysis, Site Assessment & Monitoring Protocols, GIS Applications & Environmental Mapping (GIS4010/GIS4011), Spatial Data Management**
Relevant Coursework:
- Developed skills directly applicable to construction environmental compliance: site monitoring, stormwater management, erosion and sediment control, and regulatory reporting.
- Gained awareness of Ontario environmental legislation governing construction activities, including waste audit requirements, construction and demolition (C&D) waste diversion obligations, and MOECP regulatory frameworks (Environmental Protection Act, Resource Recovery and Circular Economy Act).

Bachelor of Architecture (B.Arch) | Dr. D.Y. Patil School of Architecture

Pune, India | March 2013 – April 2018

- 5-year professional architecture degree with curriculum covering structural systems, environmental building science, construction materials, and sustainable design.

TECHNICAL SKILLS

Project & Site Management: Budget tracking, schedule management, RFI/submittal coordination, QA/QC, site inspections | **Environmental Field Methods:** Site assessments, water/soil sampling, field data logging, monitoring protocols | **GIS & Mapping:** ArcGIS, spatial data management, environmental mapping | **CAD & Design:** AutoCAD (proficient) | **Office & Data:** MS Excel, Access, Word, PowerPoint, Outlook

CERTIFICATIONS & LICENCES

✓ Construction Safety Training Systems (CSTS)	✓ WHMIS
✓ Ontario Worker H&S Awareness	✓ Ontario Class G Driver's Licence
✓ IGBC Accredited Professional (Green Building)	✓ Architect Licence – Council of Architecture, India

VOLUNTEER & PROFESSIONAL DEVELOPMENT

- ▶ Environmental Management Field Volunteer — participated in field assessments and environmental monitoring initiatives (October 2025–Present).
- ▶ Actively engaged in workshops and training covering environmental field methods, ecology, GIS, and construction environmental compliance.
- ▶ Community Health Initiatives — Blood Donation Drive Coordinator (Jankalyan Blood Bank); community inclusion programs supporting diverse groups.

ADDITIONAL INFORMATION

Availability: Available immediately for full-time roles until September 2026. | **Languages:** English, Hindi, Marathi, Gujarati (all fluent). | **Transport:** Valid Ontario Class G driver's licence; willing to travel for fieldwork or site visits. Able to work in all weather conditions including extreme cold, heat, rain, snow, and other harsh weather conditions.

MERLIN EVELYNE NJERI MWANGI

GIS & Environmental Analyst | Remote Sensing | Site Assessment | Spatial Data Management
+1 (613) 796-4547 | mwan0022@algonquinlive.com | linkedin.com/in/mwangi-merlinevelyne-njeri03

PROFESSIONAL SUMMARY

Results-driven GIS and Environmental professional combining a B.Sc. in Geospatial Engineering with a Graduate Certificate in Environmental Management and Assessment (Algonquin College, 2026). Skilled in spatial analysis, Phase I ESAs, contamination monitoring, and environmental reporting, with hands-on proficiency in ArcGIS Pro, ArcGIS Field Maps, R, and Excel. Demonstrated ability to integrate geospatial tools with environmental compliance workflows across field, lab, and regulatory settings. Adept at stakeholder engagement, technical writing, and translating complex data into actionable, evidence-based recommendations.

CORE COMPETENCIES

ArcGIS Pro & Field Maps	Phase I Environmental Site Assessments	Remote Sensing & Satellite Imagery
Watershed Delineation & Mapping	Soil, Groundwater & Water Sampling	Hazardous Waste & Contamination Monitoring
Environmental Auditing & Reporting	LEED & Ontario MOE Compliance	Data Analysis: R, Excel, AutoCAD
Topographic & Engineering Surveys	Stakeholder & Community Engagement	Environmental Regulations
Climate Change and Environmental Sustainability.		

EDUCATION

Graduate Certificate in Environmental Management and Assessment (Co-op) 2025 – 2026
Algonquin College, Ottawa, ON

Bachelor of Science, Geospatial Engineering 2018 – 2023
Jomo Kenyatta University of Agriculture and Technology, Nairobi, Kenya

RELEVANT PROJECTS & ACADEMIC WORK

Environmental Management – Algonquin College (2025–2026)

- Collaborated with the City of Ottawa on a flooding awareness and resilience project for the Carp Region, producing spatially informed recommendations.
- Contributing to an active construction waste management project under the Ontario General Contractors Association (OGCA) -(GLIP).
- Conducted a complete Phase I ESA: historical review, site reconnaissance, and regulatory compliance reporting to identify environmental liabilities.
- Performed field and lab-based monitoring of soil, groundwater, and surface water to characterize contamination risks and inform remediation decisions.
- Applied ArcGIS Pro for spatial analysis, watershed delineation, and environmental map production; collected field data using ArcGIS Field Maps.
- Researched biodiversity, conservation strategies, and sustainable waste practices; analysed findings in Excel to support evidence-based policy recommendations.

Winter Road Salt Contamination Analysis – Urban Ottawa (2026, Ongoing)

- Building a spatial analysis of winter road salt impacts on Ottawa-area watercourses using ArcGIS Pro, integrating environmental data with urban infrastructure layers.

Irrigation Optimization Using Remote Sensing & GIS – Final Year Project (2023)

- Processed raster datasets in Google Earth Engine and ArcGIS Pro to assess land suitability for irrigated agriculture.
- Modelled irrigation requirements using CROPWAT and CLIMWAT; validated findings through paddy rice field surveys, producing data-driven water usage recommendations.

WORK EXPERIENCE

School Coordinator

May 2025 – Aug 2025

Food for Education (NGO)

- Managed daily operations of a school feeding program, overseeing resource allocation and ensuring consistent service delivery.
- Led community sensitization and enrollment campaigns, communicating program benefits to diverse stakeholders.
- Provided structured, actionable feedback to supervisors on program welfare and performance outcomes.

Data Analyst

Dec 2024 – Feb 2025

ICRAF – CIFOR

- Conducted Excel-based data analysis and quality assurance of research datasets, maintaining rigorous data integrity standards.
- Supported field operations and logistics for Regenerative Agriculture research; assisted in coordinating field agents across multiple sites.

Survey Intern

Sep 2024 – Nov 2024

Wamalwa Surveyors

- Carried out topographic, engineering, and sectional property surveys for land mapping and subdivision projects.
- Performed beaconing and boundary re-establishment; processed laser (LiDAR) scan data for mapping deliverables and authored field survey reports.

GIS Intern

Mar 2024 – Jun 2024

Renaissance Planning

- Digitized aerial imagery and constructed digital planning maps in GIS to support urban and rural physical planning projects.
- Cleaned and analysed tabular datasets in Excel to inform zoning and development decision-making.

GIS Attaché

Jan 2021 – Apr 2021

Kenya Power and Lighting Company (KPLC)

- Validated and cleaned power line datasets in a back-office GIS environment; digitized new power network infrastructure.
- Produced AutoCAD designs for land parcels and power line layouts.

VOLUNTEER EXPERIENCE

Mapper | Red Cross Mapathons

2022

- Contributed to humanitarian mapping events at Technical University of Kenya and JKUAT, producing geospatial data to support disaster response planning.

Community Analyst | Jamii Hospital

2021

- Analysed hospital operations and proposed remedial strategies as part of a community participation initiative.

CERTIFICATIONS & PROFESSIONAL MEMBERSHIPS

- Student-in-Training — ECO Canada
- United Nations Volunteer (UNV)
- Computer Packages Certification

Ethan Wu

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EDUCATION

Queen's University

Bachelor of Applied Science, Mechatronics and Robotics Engineering

Kingston, ON

September 2024 – April 2028

EXPERIENCE

Automation Team Manager

Queen's Engineering Society

April 2026 – Present

Kingston, ON

- Promoted to lead a multidisciplinary team optimizing EngSoc's HR and financial workflows.
- Architecting hiring protocols via Power Automate and MS Lists to automate training compliance.
- Collaborating with executive leadership to design and optimize organizational protocols.

Embedded Systems Member

Queen's AutoDrive Team

Sept. 2025 – Present

Kingston, ON

- Developing a C++ memory monitoring module for an embedded watchdog to detect system memory leaks.
- Integrating CAN bus protocols into the system watchdog for real-time vehicle communication.
- Proposed a "learning mode" AI driving instructor for the SAE Mobility Innovation Challenge.

VEX Robotics Senior Executive

University of Toronto Schools

Sept. 2023 – June 2024

Toronto, ON

- Led 50+ members through robot design and CAD; delegated tasks at VEX Worlds 2024.

PROJECTS

Mars Sample Return (MSR) Rover | ROS2, C++, Python

January 2026 – April 2026

- Developed a ROS2-based autonomous rover featuring a bidirectional communication bridge between a Raspberry Pi and Arduino.
- Implemented closed-loop PI control with sensor fusion (IMU and optical encoders) to correct for motion disturbances and friction.
- Integrated RPLIDAR A1 for exteroception, enabling remote real-time point-cloud visualization in RViz2.
- Designed a URDF model and transform tree (TF2) to facilitate accurate localization and mapping in the Nav2 stack.

Autonomous Transforming Robot | C++, Kinematics, Soldering

January 2026 – Present

- Designing a multi-modal robot utilizing custom 3D-printed linkages for structural reconfiguration.
- Developing autonomous transition algorithms to maintain stability and center of mass during real-time transformation.

TriPAD - Construction Site Sensor | C++, Arduino, Sensor Fusion

April 2026 – Present

- Finalist in General's Lab program; designing a multi-sensor array to detect noise, dust, and vibration levels.
- Leading the summer development phase for a data-logging system intended for real-time environmental monitoring.

TECHNICAL SKILLS

Robotics & Middleware: ROS2 (Humble/Jazzy), Nav2, SLAM Toolbox, RViz2, Gazebo, CAN bus

Programming: C/C++, Python, Java, Arduino, Nios II Assembly

Embedded & Hardware: Raspberry Pi (Ubuntu), Arduino, IMU, Optical Encoders, LiDAR, UART

Control Systems: PID/PI Control, Saturation & Anti-windup Logic, Sensor Fusion, Kinematic Modeling

Design & Automation: SOLIDWORKS, Autodesk Fusion, LTSpice, Quartus, Microsoft Power Automate, Figma

Tools & Languages: Git/GitHub, GitLab, Linux, SSH, LaTeX; Cantonese, Mandarin, French



Contact

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Ontario K2G 4S9

Languages

English - Fluent

French - Intermediate

Education

Masters

Business Administration

University of Fredericton

60% completion

2 Year Diploma

Interactive Media and Design

Algonquin College

Co-op and Honours

2 Year Diploma

Cabinetmaking

Algonquin College

Honours

Training

Certificate

Mindtrust Leadership

Mindtrust Leadership

Development Program

Certificate

Leadership Mentoring

Algonquin College

Certificate

Enterprise Design Thinking

IBM

Matthew Jerabek

MAKERSPACE OPERATIONS, INNOVATION & COMMUNITY

Highly experienced maker and makerspace leader with a career grounded in physical fabrication, digital creation, customer service, and public-facing program delivery. Led the planning, hiring and opening launch of the Algonquin College Makerspace in 2018 and continues to steward its operations sustainably while managing growth. Brings extensive front-line customer service experience in bilingual environments, alongside direct leadership of marketing and communications functions that strengthen the visibility, accessibility, customer experience, and adoption of makerspace services and programs. Combines hands-on maker experience with responsibility for budgets, grants, training and safety, academic integration, and community programming, and acts as a public spokesperson for making and innovation through presentations, partnerships, and media engagement.

Highlights & Achievements.

- Planned, launched, and continue to steward the Algonquin College Makerspace (2018), establishing sustainable operations, staffing models, training practices, and safe, accessible workflows at scale.
- Designed and delivered large-scale makerspace programming, including 350+ workshops, presentations, tours, and 80+ interactive online workshops reaching over 2,000 participants across 27 countries, and partnered with the OCDSB to deliver curriculum tailored 3D printing and laser cutting field-trips.
- Designed and delivered specialized 3D printing training for the Montfort Hospital Research Centre, supporting their in-house printing solutions.
- Led successful external funding initiatives tied to reconciliation and making, including a national CIGan microgrant resulting in nine student-created and indigenous rooted environmental murals with engagement from Environment and Climate Change Canada, and a \$25,000 CEWIL grant supporting makerspace programming delivery to a joint cohort of Algonquin College Indigenous students and on-reserve Indigenous community members.
- Managed and reported on a \$600,000 multi-year federal grant (ScaleUp 2.0) administered through FedDev and Invest Ottawa, delivering quarterly financial, narrative, and performance reporting while coordinating innovative programming that supports early stage founders.
- Provided advisory consultation to the Ingenium Digital Lab prior to its opening advising activities, functional design, and equipment.
- Presented nationally on the value of makerspaces in education at a National CIGan conference and engaged in global professional exchange through attendance at the NACCE Maker Conference in California.
- Operationalized and delivered the eCo-op entrepreneurship program, mentoring student founders through structured program delivery, business development, and makerspace-enabled prototyping, achieving full capacity and 100% quarter-over-quarter growth through operational optimization.
- Led planning and delivery of Algonquin College's RE/ACTION research showcase since 2017, transforming it into hybrid and virtual formats and achieving the first sold-out event with 300+ attendees and an NPS score of 92.
- Acted as a public spokesperson and representative, appearing in CBC, CTV, and Globe and Mail media, hosting keynote discussions, and supporting high-profile partner and government engagements.
- Mentored and coached unionized employees through performance reviews, goal setting, and regular one-on-one and team meetings, fostering inclusive, respectful, and accountable team culture, and was nominated for the Gerry Barker Leadership Award with sustained long-term staff retention.

Awards

2023-2024

Nominee - Communications

Award

2018-2019

Innovation Fund Award

Algonquin College

2018-2019

Nominated for the Gerry A. Barker

Leadership Award

Algonquin College

2017-2018

Team Award

Algonquin College

Skills

Leadership

Photography

Videography

Branding

Graphic Design

Facilitation

Partnership Development

Prototyping

3D Modeling

CAD (Computer-Aided Design)

Slicing

Design Thinking

Mentorship

Strategy

Coordination

Supervision

Negotiation

Delegation

Planning

Budgeting

Forecasting

Decision-making

Risk management

Public Relations

Communications

Project Management

Marketing Strategy

Event Management

Community engagement

Fundraising

Experience.

Associate Manager, Innovation & Entrepreneurship - 2024 - Present

Algonquin College - Ottawa , ON

- Serve as the institutional representative for the DARE District, acting as the primary point of contact for high-profile tours, government relations, and senior external stakeholders engaging with the makerspace and incubator.
- Provide leadership and day-to-day operational oversight for Innovation & Entrepreneurship services, including the makerspace and incubator, ensuring safe, accessible, and high-quality service delivery.
- Manage operating budgets for the makerspace and incubator, including planning, expenditure tracking, and resource allocation to support staffing, equipment, materials, and programming.
- Administer and coordinate a \$600,000 federal grant (ScaleUp 2.0) in partnership with Invest Ottawa, including quarterly financial, narrative, and metrics reporting, and supported a \$50,000 IPON grant with La Cité.
- Coordinate faculty-integrated makerspace activity across 55+ courses, working directly with professors on scheduling, materials, fabrication approaches, and makerspace-appropriate evaluation criteria.
- Lead and deliver the e-Co-op entrepreneurship program, mentoring early-stage founders through business formation, prototyping, digital asset creation, and initial storefront development.
- Train and support Staff and Students on MakerSpace Technologies

Communications Officer - 2023 - 2024

Algonquin College - Ottawa , ON

- Crafted and delivered external communications promoting learner and alumni achievement to support partnerships and engagement.
- Developed and executed email communication campaigns reaching 90,000+ external contacts.

Lab Experience Designer - Consultant - 2023 - 2023

Deloitte - Ottawa , ON

- Designed and delivered executive-level strategy and engagement sessions in collaboration with firm partners and senior clients.
- Facilitated structured strategy discussions, workshops, and decision-making activities supporting business development initiatives.
- Researched adaptive challenges and coordinated subject-matter experts to inform and support client-facing sessions.

Associate Manager - Marketing & Systems - 2016 - 2023

Experiential Learning & Innovation Division

Algonquin College - Ottawa , ON

Innovation & Entrepreneurship

- Led the launch of the Algonquin College Makerspace and developed early outreach strategies that generated over 6,000 engagements in 2019.
- Designed and delivered customized 3D printing training for the Montfort Hospital Research Centre, supporting applied research and safe use of fabrication technologies.
- Developed and piloted applied innovation projects, including custom and personalized 3D printed near-field communication (NFC) business cards, enabling new client experiences and supporting DARE District partnerships and funding opportunities.
- Designed and delivered 80+ highly interactive workshops on design thinking, pitch development, 3D printing, and laser cutting, expanding access to innovation programming and global participation.

Software & Technology

Multimedia design software

(*Adobe Creative Suite*)

Fabrication and Modeling

(*Fusion 360, TinkerCad, Sketchup*)

Documentation tools

(*Word, Excel, PowerPoint*)

Virtual meeting software

(*Zoom, Teams, Webex*)

Digital collaboration tools

(*Miro, Surface Hub*)

AV conferencing systems

(*Extron, Zoom*)

Content and social tools

(*Wordpress, Hootsuite, Mailchimp*)

CRM software

(*Orbis*)

Web Development

(*Wordpress*)

eCommerce

(*Shopify*)

Interviews



Hour Ottawa - CBC

[Click Here to View](#)



RE/ACTION Showcase

[Click Here to View](#)

Experience Continued.

Systems & Operations

- Developed an marketing project intake system to improve workflow, ease project management, and enable impact measurement and reporting.
- Developed a research project database to automate the process of capturing and presenting hundreds of research projects.
- Oversaw the migration of appointment booking functionality from Clockworks to Orbis.

Event Management & Experience Design

- Reimagined and transformed the annual research showcase from an in-person exhibition to a fully online Zoom event resulting in the first ever sold out showcase with over 300 attendees.
- Conceptualized and designed highly customized experiences using advanced technologies to drive client engagement (interactive data visualization projections, custom 3D printed exploration kits, immersive 360 degree projection dome, laser cut modular feedback art, and heat mapping camera).
- Managed the rebranding of the division's annual event, which led to an increase in registration by 50%.
- Coordinated and designed technology and research demonstrations for 18 governmental events on-site, at Queens Park, and on Parliament Hill.
- Coordinated on-campus tours and technology demonstrations in various labs and facilities for members of parliament including former Finance Minister Bill Morneau, Lieutenant Governor Elizabeth Dowdeswell, and Assistant Deputy Minister Aneeta Bains.
- Coordinated high-profile tours for delegations from the Canadian Space Agency (CSA) and the Natural Sciences and Engineering Research Council of Canada (NSERC).
- Coordinated a full day conference for Algonquin College in partnership with the United Nations (UN) supporting the Sustainable Development Goals.

Stakeholder Engagement, Marketing and Communications

- Developed and led the execution of marketing and communications plans and activities focused on external client engagement.
- Acted as public relations representative appearing on multiple television, radio, and written interviews with CBC, CTV and the Globe and Mail.
- Project managed the development and distribution of an inaugural annual report including research, data analysis, creative direction, and internal and external stakeholder engagement.
- Led Algonquin College's partnership with Invest Ottawa and Hub 350 including event collaboration, brand implementation, high-profile tours, and cross-promotional activities to increase stakeholder engagement.
- Worked directly with the Director of the Aviation Space Museum to develop and implement mutually beneficial strategic marketing, communication, and events initiatives in collaboration with the research office.
- Managed key relationships and developed communication strategies with advocacy groups such as College and Institutes Canada (CICAN), Colleges Ontario, and Polytechnics Canada.
- Researched and concisely synthesized complex research topics in order to provide media coaching, talking points, and speechwriting for executives presenting for media interviews, roundtable discussions, conferences, and other stakeholder engagement and promotional activities.
- Led the College's inclusion in an international publication and developed messaging for the leadership piece from Algonquin College's president.
- Grew social media followers on Twitter and LinkedIn organically by over 1000% in a single year.

Experience Continued.

Manufacturing

Cabintemaker - Maple Millwork - 2013 - 2014

- Operated CNC milling Machines and laser cutters
- Reviewed and interpreted blueprints and diagrams to verify project specifications.
- Observed and upheld OSHA regulations, MSDS sheets, and company procedures related to safety and environmental conservation.
- Completed tasks safely while working long shifts in taxing environments.
- Produced and assembled components of store fixtures, office equipment, cabinets, and high-grade furniture.
- Operated power saws, moulders, and jointers to safely cut and shape wood.

Retail Operations & Sales

Sales Associate - Algonquin College's Connections Campus Store - 2015- 2016

- Placed orders when items were out of stock or for special order items not regularly stocked.
- Operated the cash register and was accountable for all receipts, refunds, and payments.
- Participate in storewide inventory in which all items were counted and entered into a centralized database.
- Responsible for creating and rearranging window displays, as well as in-store displays.

Lead Keyholder - Zone - 2014- 2015

- Managed opening and closing procedures, ensuring the store was ready for business and secured after hours.
- Served as the designated furniture specialist at the Sussex location, providing expert advice and product knowledge.
- Supported inventory and receiving operations, helping to maintain accurate stock levels and handling of new arrivals.
- Participated in merchandising and display setup, enhancing the store's visual appeal and customer shopping experience.
- Coordinated with the head office in French, facilitating effective communication and operations between the store and the corporate office in Montreal.

Sales Associate - Structube - 2011- 2013

- Sold a sofa to Justin Trudeau, demonstrating exceptional sales skills with VIP customers.
- Regularly exceeded sales targets by purposefully meeting customer needs.
- Offered bilingual service assisting clients in English and French.
- Kept the showroom attractive and functional by setting up and maintaining room displays.

Lead Keyholder - Microplay - 2009- 2011

- Led all French language transactions, offering fluent and service to boost customer satisfaction and support sales.
- Supported weekly product orders and inventory, to ensure on-trend stock was in place to meet customer demand.
- Processed incoming shipments for accuracy, addressing any inconsistencies to maintain accurate inventory.

Barista and Server - La Bottega - 2007- 2009

- Retained expert knowledge of menu items to assist customers with beverage selections.
- Maintained speed and accuracy when preparing beverage recipes and specialty drinks to minimize customer wait times.
- Displayed calm demeanor during periods of high volume or unusual events to keep store operating to standard.
- Memorized regular and recurring customers' orders and needs to create warm and welcoming atmosphere.

Keyholder - Extreme Pita - 2004- 2006

- Managed opening and closing procedures in Manager's absence, ensuring security and safety protocols were followed.
- Accurately handled daily cash transactions and occasionally prepared bank deposits.
- Assisted with employee scheduling, balancing business needs with staff availability to optimize shift coverage.
- Provided exemplary customer service, promptly addressing inquiries to ensure a positive dining experience.
- Aided in inventory control and supply ordering, ensuring the store was well-stocked and operational needs were met.

Experience Continued.

Entrepreneurship and Business Operations

Founder - Design Block - 2019 - 2021

- Led the strategic planning process and business plan development activities.
- Participated in the establishment and implementation of organizational policies and procedures.
- Increased buy-in for new policies, keeping employees informed and readily accepting feedback.
- Monitored resource utilization and enacted plans to improve inefficiencies and successfully manage expenses.
- Organized and approved promotional campaigns.
- Improved organizational efficiency with clear responsibilities, policies, and cross-functional procedures.

Founder - B.G. Installations - 2012 - 2016

- Leveraged high-quality service delivery and strategic business management to stimulate business expansion.
- Developed a strategic partnership with Structube to provide exclusive installation services across all stores in the Ottawa and Gatineau regions.
- Increased 2015 revenue by over 200% with improved marketing and customer engagement strategies.
- Analyzed pricing strategy and implemented a new luxury service model that doubled earnings and improved customer experience.
- Oversaw initial business planning, funding, and employee recruitment.
- Established clear mission and organizational vision as part of the overall business plan.
- Managed business finances, keeping operations on sound financial footing with careful supervision.
- Capitalized on market gaps with creative concepts and innovative approaches, policies, and cross-functional procedures.

Governance

Director - Students' Association - 2016 - 2017

- Evaluated and approved the business case for a 43-million-dollar building project which is now erected on campus: The Jack Doyle Athletics and Recreation Center.
- Acted as a representative on the college technology committee and contributed to a working group to improve the e-text initiative.
- Met with Mayor Jim Watson of Ottawa to present student priorities regarding public transportation and the planning of light rail transit priorities.
- Audited the current state and researched all aspects of the educational atmosphere at Algonquin College and translated findings into policy ensuring it met the current and future needs of the students.
- Provided assurance of executive performance and worked with the internal finance team and external auditors to review and approve financial operations.
- Distinguished priorities for the board and maintained progress updates.
- Participated in policy-focused retreats and National conferences.
- Attend regularly scheduled board meetings, referencing and adhering to Robert's Rules of Order.
- Advocated for the program council process and class representative system.

Nicholas Arkuh

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SKILLS

Technical Skills: Advanced Microsoft Excel (PivotTables, VBA, Financial Modeling), CaseWare, KPMG Clara, Banner ERP, Tableau, Python (Foundational), Microsoft Copilot

Core Competencies: Financial Analysis, Business Analytics, Process Automation, KPI & Dashboard Analysis, Project Management, Stakeholder Communication

EXPERIENCE

Audit Intern

May 2026 – August 2026

KPMG Canada

Sudbury, ON

- Executed substantive audit testing across multiple concurrent client engagements, evaluating revenue, expenses, payroll, and fixed assets while consistently meeting reporting deadlines.
- Performed analytical procedures, vouching, tracing, reconciliations, sampling, and variance analysis to validate financial statement assertions and document audit evidence using CaseWare, Clara, and Excel.
- Collaborated with cross-functional engagement teams, including supporting the audit of an international client alongside KPMG Waterloo and UAE member firms, preparing audit working papers and coordinating documentation across jurisdictions.

Founder

September 2025 – Present

Terronova Inc.

Sudbury, ON

- Founded an early-stage climate materials venture developing low-carbon cement alternatives from mining and industrial by-products.
- Designed and coordinated rapid prototyping and material validation efforts, achieving comparable 28-day compressive strength at 50% cement replacement within three months.
- Established partnerships with researchers, testing laboratories, and three concrete suppliers to support product validation and future pilot testing.

Finance and Accounting Intern

June 2024 – May 2026

Cambrian College

Sudbury, ON

- Supported financial operations across multiple college departments by managing the end-to-end processing of 500+ purchase orders, invoices, payments, journal entries, and account transfers through Banner ERP while maintaining accuracy and compliance.
- Built five Excel/VBA automation tools that streamlined journal entry preparation and invoice coding workflows, reducing manual processing time.
- Utilized multiple Banner ERP finance modules to support procurement, accounts payable, accounts receivable, journal processing, and financial reporting.

Student Representative, Board of Governors

September 2025 – August 2026

Cambrian College

Sudbury, ON

- Represented the student body on Cambrian College's Board of Governors, contributing to governance discussions and strategic planning as the college navigated significant enrollment declines and institutional restructuring.
- Analyzed enrollment, retention, and financial performance dashboards to support board discussions on program sustainability, resource allocation, and long-term financial planning.
- Reviewed governance materials, policy proposals, and strategic recommendations related to program rationalization and organizational priorities, providing student perspectives during board deliberations.

President

May 2024 – Present

Enactus Cambrian College

Sudbury, ON

- Grew and led a multidisciplinary team responsible for delivering entrepreneurship initiatives across sustainability, tourism, and community development projects.
- Secured \$2,500 in grant funding and managed the development of a recycled-wood art initiative that produced 200+ workshop templates, engaged 50+ participants, and facilitated the sale of 40 community-created artworks.
- Led the development and presentation of award-winning venture pitches, earning Runner-Up (2026) and Second Runner-Up (2025) at the Enactus Regional Competition.

EDUCATION

Cambrian College

September 2023 – May 2027

Bachelor of Business Administration (Accounting)

Sudbury, ON

GPA: 3.7 / 4.0

Relevant Coursework: Business Analytics, Business Strategy, Decision Models, Corporate Finance, Intermediate Accounting, Management Accounting, Operations Management, Artificial Intelligence



Real teams. Real sites. Real solutions.



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