

Harry Allen

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EDUCATION



Sheridan College

Honours Bachelor of Computer Science / Minor in Cloud Computing and Automation

Oakville, ON

Expected Graduation, April 2027

- International Scholarship

• Related Coursework: Project Management, Data Structures and Algorithms, Data Analytics, Operating Systems, Statistics, Cloud Architecture



University of Waterloo

Artificial Intelligence & Applied Machine Learning

Waterloo, ON

November 2025 - February 2026

• Related Coursework: Machine Learning, Neural Networks, Computer Vision, Natural Language Processing, Time-Series Forecasting, Robotics, AI Development Lifecycle, AI Ethics & Governance

EXPERIENCE



Government of Ontario

Software QA Analyst Intern

Toronto, ON

May 2025 – April 2026

- Improved system reliability by validating backend workflows across 3 functional modules, identifying defects through structured analysis.
- Increased engineering clarity by producing documentation referenced in 12+ review meetings, enabling faster debugging cycles.
- Streamlined requirement alignment by collaborating with developers and analysts to resolve inconsistencies across multiple feature releases.



Career Education Council

Coding Instructor iOS Dev (Part-Time)

Guelph, ON

June 2025 – Present

- Strengthened students' foundational computing skills by teaching programming concepts to 20+ learners through structured lessons.
- Enhanced content quality by building reusable instructional modules applied across 4 consecutive cohorts.
- Supported technical skill development by guiding debugging and iterative project improvements using SWE best practices.

PROJECTS

AI Budget Tracker | [Github](#)

Personal Project

Python, Power BI, Excel Automation

July 2024 – Sep 2024

- Built a Python pipeline to clean and process 300+ entries, enabling consistent monthly analytics.
- Designed Power BI dashboards that automated KPI visualization and streamlined review workflows.

Project Memora | [Github](#)

Academic Project

Flutter, Firebase, AI-Driven Analytics

Sep 2024 – Dec 2024

- Validated reminder and recognition workflows across 200+ cloud interactions to improve system stability.
- Designed structured user-agent flows that supported reliability testing and prompt experimentation.

Aging Population Forecast

Academic Project

Python, Excel, Regression Modeling

Mar 2025 – May 2025

- Developed regression models analyzing demographic data across 10+ regions for scenario evaluation.
- Created visual analysis dashboards that translated statistical findings into research ready insights.

ACTIVITIES AND LEADERSHIP

OPS Hackathon 2026 | Government of Ontario

Toronto, ON

Organizer

Oct 2025 – Nov 2026

- Co-organizing a government-wide hackathon to promote innovation, analytics, and digital transformation.

Youth Tech Engagement Lead | [Develop the Future](#)

Guelph, ON

Team Lead

Nov 2024 – Mar 2025

- Supported event operations including setup, flow management, partner coordination, and follow-up documentation.

SKILLS

Programming & Frameworks: Python, Java, C++, JavaScript, TypeScript, React, Node.js, .NET, Flask, Git, Unit Testing

Systems & Cloud: LLM prompt engineering, Data structures, algorithms, API development, distributed systems basics, system design fundamentals, Azure, AWS, debugging

Tools & Collaboration: GitHub, VS Code, JIRA, Confluence, Postman, Linux, Figma, Notion, technical documentation