

EDUCATION

Carleton University**Ottawa, ON**

Bachelor of Computer Science (AI & Machine Learning Stream) - Honors (Co-op)

Sept 2022 - Apr 2027

- GPA: 10/12 (A-)
- Relevant Coursework: Data Structures and Algorithm Design, Web Technologies, Object-Oriented Programming, Discrete Math, Abstract Data Types and Algorithms, Database Management System, Software Design, Operating Systems, Statistics, Computer Networks, Security and Privacy, Human-Computer Interaction

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, HTML/CSS, SQL (MySQL), Ruby on Rails, Ruby, Swift, Racket**Libraries/Frameworks:** React, Node.js, MongoDB, Flask, JavaFX, Pygame, Socket.io, JUnit, Angular, Qt, Selenium, LangChain**Developer Tools/Platforms:** Git, JIRA, VS Code, Eclipse, IntelliJ, Linux, macOS, Windows, Slack, ServiceNow**EXPERIENCE**

Definity | Service Management - Fall Co-op/Intern

Sept 2025 - Dec 2025

- Supported Service Management operations by assisting in incident analysis, observability analysis, and preparation of service management reports to improve operational efficiency
- Developed and optimized AI-driven automation scripts in Python, leveraging LangChain and Selenium to streamline data collection, reporting, and monitoring workflows
- Utilized ServiceNow integrated with AI tools to track, manage, and resolve incidents, ensuring timely updates and accurate service records

EduTutor | Mathematics & Coding Tutor

Jul 2023 - Aug 2025

- Tutored 150+ hours in Grade 9–12 math, helping students strengthen skills in algebra, calculus, and statistics through personalized support
- Taught intro to Python and Java, guiding students through core coding concepts like loops, conditionals, and OOP to spark interest in tech

Canada Revenue Agency (CRA) | Software Developer - Co-op

May 2024 - Dec 2024

- Developed Java and C applications, contributing to end-to-end testing workflows, including unit and automated testing with JUnit, Angular, and regression frameworks
- Collaborated with team members to build logic, troubleshoot code, and deliver effective solutions using Jira, Git, and Agile
- Scripted Java Swing applications with PAGUI for performance testing and regression testing, validating load handling with automation tools

STEM Unites | Co-Founder | [Website](#)

Jun 2022 - Apr 2024

- Founded and led STEM Unites, a youth-led organization promoting STEM fields through interactive platforms, coding workshops, and hackathons
- Organized and hosted virtual webinars with industry professionals, enhancing members' understanding of STEM while developing strong communication skills and other essential teamwork skills

EduTutor | Research & Website Design Intern

Feb 2023 - May 2023

- Collaborated with the CEO of EduTutor to create a comprehensive Website Specification Document, outlining project objectives, requirements, and design guidelines
- Contributed to the development process by participating in brainstorming sessions, implementing features using JavaScript and HTML/CSS, and enhancing the website's functionality and user experience

PROJECTS / OPEN-SOURCE

t:slim X2 Insulim Pump Simulation | C++, Qt[GitHub](#)

- Built a Qt/C++ simulation of the Tandem t:slim X2 insulin pump, with touchscreen UI, bolus delivery, profile management, data logging, and real-time error handling based on CGM input

Fruit Ninja Replica | Python, Pixelpad.io[GitHub](#)

- Developed a Fruit Ninja replica game in Python, applying full-stack principles and continuously enhancing features to improve programming skills and solve coding and game design challenges

iOS Quick Add - Budget Tracker Widget | JavaScript, Scriptable[GitHub](#)

- Developed the iOS Quick Add - Budget Tracker Widget with Scriptable and JavaScript for real-time budget updates on Notion, streamlining expense tracking, and enhancing financial control

E-commerce Store | Java, JavaFX[GitHub](#)

- Created an online store GUI with Java and JavaFX in IntelliJ, using OOP and MVC to enable adding/removing cart items and viewing the total price of my cart