

CHLOE ATHERTON

Computer Engineering Student
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EDUCATION

Queen's University

Bachelor of Applied Science, Computer Engineering

Kingston, ON, Canada

Class of 2025

- **Academics:** 3.74 GPA
- **Relevant Coursework:** Object Oriented Programming, Data Analytics, Algorithms, Information Structures, Operating Systems, Digital Systems, Computer Architecture, Microprocessor Systems
- **Athletics:** Queen's Varsity Artistic Swimming

PROFESSIONAL EXPERIENCE

Ingenuity Labs

Software Development Research Assistant

Kingston, ON, Canada

Summer 2023

- Developed Django based API that deploys computer vision machine learning models on dashcam footage to determine location of roadside objects
- Built a map interface that allows users to submit geo-spatial queries and displays API detection results
- Created roadside hazard identification system to improve pedestrian and vehicle safety for 136,000 Kingston residents

ACADEMIC AND LEADERSHIP EXPERIENCE

QMIND

Innovation Design Team Member

Kingston, ON, Canada

2022 – Present

- Worked in a team of 5 to build, train and test a modified auto-encoder that uses personality test data to predict a user's results on a separate personality test
- Oversaw tasks such as data collection, cleaning, visualization and sampling
- Attended weekly meetings and educational events to develop a deeper understanding of different artificial intelligence models and their applications in society.

Queen's Software Development Design Team (ESSDEV)

Manager

Kingston, ON, Canada

2023- Present

- Managed 5 software development teams that are each projected to complete a yearlong software development project
- Monitored team progress and provided support with goal setting, time management, and debugging
- Oversaw and coordinated monthly standup meetings which included skill workshops, progress reports and guest presentations

Design Team Member

2022-2023

- Collaborated with a team of 5 to create a chrome extension that can be integrated with Queen's education platform to provide students with detailed analytics of their academic performance

Queen's Engineering Society Year Executive Team

President

Kingston, ON, Canada

2023-Present

- Represented, communicated with, and assessed the needs of over 800 Queen's engineering students
- Led weekly meetings with a team of 10 students to manage a \$30,000 budget, create social media posts, increase student engagement, and coordinate events
- Oversaw the design, sales, and distribution of over 100 pieces of branded merchandise

Events Coordinator

2021-2023

- Developed and managed events for the student population, including events attracting 150 participants and generating over \$600 in revenue

SKILLS

Proficient:

- Programming in C, Python, and Java
- Django and Django REST Frameworks
- Use of data structures and algorithms
- GitHub
- Microsoft Office Suite Applications

Familiar:

- Programming in JavaScript, HTML, and SQL
- Machine learning, Computer Vision
- Relational Databases
- Chrome development
- Assembly language and Hardware Description Language

AWARDS AND LANGUAGES

Awards:

- Dean's List (2022 & 2023)
- Women in Engineering Undergraduate Summer Research Award – Electrical and Computer Engineering (2023)
- Varsity Student Athlete Academic All-Star Certificate (2022 & 2023)
- Director of Education Award for Achievement (2021)

- Highest graduation average in sciences (2021)

Languages:

- English: Native/Fluent
- French: Conversational/Intermediate