

EDUCATION

Kingston, ON Queen's University Sept 2020 – May 2025 (Exp)

- **Major:** Computer Engineering, BAsC (Overall GPA: 3.47)
- **Relevant Coursework:** Data structures and Algorithms, Object Oriented Programming (Java), Software Quality Assurance, Operating Systems, Microprocessor Systems, Computer Networks, Machine Learning.

RELEVANT EXPERIENCE

Software Developer Intern Queen's Centre for Advanced Computing May 2023 – July 2024

- Currently working on a team of developers to build, maintain, and deploy web/mobile applications for external clients.

Production Engineer, Fellow Major League Hacking Jun 2022 – Aug 2022

- Completed 12 weeks of structured curriculum-based learning covering core Production / Site Reliability Engineering topics, supplemented with events / workshops hosted by industry experts.
- Worked on a hackathon-winning Flask application as a team using GitHub and the SCRUM methodology.
- Developed a CI/CD pipeline to automate testing and deployment using Docker, Bash, Pytest, and a CentOS VPS.
- Set up system and container monitoring using Prometheus and Grafana to maintain deployment servers.

Computer Science Tutor Moh's Online Tutoring / Private Feb 2022 – Present

- Organizing post-secondary-level lessons to introduce the fundamental concepts of Java, JavaScript, Bash, C++, and version control tools.

PROJECTS

[Portfolio Website](#) – Internal MLH Hackathon, 1st place (*Flask, Jinja, MySQL, JavaScript, Bootstrap, Peewee, Docker*)

- Developed a full-stack Flask application using a custom-built CI/CD pipeline and Git version control.
- Utilized the Fetch API to call endpoints and fetch database data from a Flask API.
- Developed data models using the Peewee ORM to facilitate the creation and manipulation of MySQL tables.
- Containerized applications, databases, and NGINX web servers using Docker to facilitate deployment.

[Leaf Hack](#) – QHACKS 2024, 1st place overall (*Next.js, Django Rest Framework, AWS S3, Oracle Cloud, ResNet9*)

- Developed a DRF REST API which uses a model trained on the ResNet9 architecture to detect plant diseases.
- Designed and built models to create and store user data and their related uploads and logs through AWS S3.
- Built CD pipeline to Oracle Cloud to allow a smooth development experience with frontend developers.

[Minute Tutor](#) – #HackTo 2022, 1st place overall (*React.js, Flask, MySQL, Peewee*)

- Developed a Flask backend to algorithmically serve database records to a React web app.
- Worked on parsing JSON responses on the frontend to display tutor information on a user-friendly interface.
- Implemented user authentication using MySQL to allow tutors to easily update their personal information.

SKILLS

Languages:	Proficient: <i>Java, Python, JS/TS</i>	Familiar: <i>Bash, C/C++, Dart</i>
Tools/Frameworks:	Proficient: <i>Git/GitHub, DRF, Flask, Next, Docker</i>	Familiar: <i>Spring, React, Node, Flutter</i>
Databases:	Proficient: <i>Firestore, MongoDB, PostgreSQL/MySQL, Various Python/JS ORMs</i>	