

EDUCATION

Kingston, ON	Queen's University	Sept 2020 – June 2024
<ul style="list-style-type: none">▪ 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 – June 2024
<ul style="list-style-type: none">▪ 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
<ul style="list-style-type: none">▪ 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	Feb 2022 – Feb 2023
<ul style="list-style-type: none">▪ Organized High school-level lessons to introduce the fundamental concepts of the Java programming language.▪ Reviewed official documentation to ensure lesson plans cater to varying Java Platform releases.		

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 retrieve view and 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.
- Implemented user authentication with password hashing and session management for a robust backend.

[CookHack](#) – QHACKS 2022 1st place, HotG Category (*React.js, Flask, MongoDB, Firestore, HTML/CSS*)

- Migrated a MongoDB/Flask backend to a Firestore database to simplify the architecture and optimize queries.
- Implemented the frontend logic used to display recommended recipes based on user inputs.

[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, Javascript</i>	Familiar: <i>Bash, C/C++</i>
Tools/Frameworks:	Proficient: <i>Git/GitHub, Django, Flask, React.js, Docker</i>	Familiar: <i>Spring, Next.js, Node, Flutter</i>
Databases:	Proficient: <i>Firestore, MongoDB, PostgreSQL/MySQL, Various Python/JS ORMs</i>	