

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, Discrete Mathematics.		

RELEVANT EXPERIENCE

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 – Present
<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.		
Electrical Team Member	Queen's Racing (QFSAE)	Oct 2021 – Present
<ul style="list-style-type: none">▪ Analyzed and designed printed circuit boards using Altium to manufacture reliable electrical components.▪ Implemented CAN bus communication through Arduino Uno controllers to test the interception of sensor data.		

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</i>	Familiar: <i>JavaScript, Bash, C/C++</i>
Tools/Frameworks:	Proficient: <i>Git/GitHub, Flask, HTML/CSS/Bootstrap</i>	Familiar: <i>Spring, React.js, Docker</i>
Databases:	Proficient: <i>Firestore, MongoDB</i>	Familiar: <i>MySQL, Various Python ORMs</i>