

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, 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 Engineering topics, supplemented with events / workshops hosted by industry experts.▪ Worked on an internal hackathon-winning Flask application as a team using GitHub best practices.▪ Developed a CI/CD pipeline using unit / integration tests, automated re-deployment scripts, and GitHub Actions.▪ Set up system and container monitoring, alerting, and visualization using Prometheus and Grafana.		
Computer Science Tutor	Moh's Online Tutoring	Feb 2022 – Present
<ul style="list-style-type: none">▪ Teach High school-level students the fundamental concepts of the Java programming language.▪ Review 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">▪ Analyze PCB designs using digital logic fundamentals to develop torque vectoring tools.▪ Implement CAN bus communication through Arduino Uno controllers to test the interception of sensor data.		

PROJECTS

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

- Implemented Bootstrap and CSS best practices for a mobile friendly, animated frontend.
- Utilized the Fetch API to retrieve data from a Flask API.
- Developed models using the Peewee ORM to add and receive data from a MySQL database.
- Containerized and orchestrated applications, databases, and NGINX reverse proxies using Docker.
- Implemented user authentication with password hashing and session management.

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

- Developed a Flask backend API and MongoDB collections to store and serve data to a React web app.
- Implemented the logic used to recommend recipes based on user inputs.

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

- Developed a Flask backend to algorithmically server 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, C/C++</i>	Familiar: <i>JavaScript, Bash</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, Peewee ORM</i>