

Arsia Khorramijam

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HIGHLIGHTS OF QUALIFICATION

Enrolled in level 2 of a 4 year Software Engineering program. Developed resourcefulness and self starter skills at CGI, displayed strong communication & collaboration skills on a Life Guarding & Swim Instructing team. Aiming to contribute to innovative projects with a focus on practical problem-solving in fields of software development.


EDUCATION

- **McMaster University** *Expected Graduation: April 2027*
Software Engineering Co-op
◦ GPA: 3.9/4.0
◦ **Relevant Coursework:** Object Oriented Programming, Discrete Math 1, Calc 3, Linear Algebra Hamilton, Ontario


EXPERIENCE

- **CGI Inc.**  *May 2024 - September 2024*
Software Developer Toronto, Canada
 - Developed two advanced **Kibana** dashboards for one of **Canada's largest telecommunication** companies utilizing the **ELK** stack, increasing data visualization efficiency through **TSVB**, **Timelion**, **KQL** syntax, and complex data aggregation techniques.
 - Built a full-stack **CRUD** dashboard using **Java**, **Spring Boot**, **React.js** and **MySQL**, with **NextUI** library to quickly learn further background insight of client technology resulting in optimized approach to the ELK stack and creating dashboards.
 - Ingested and analyzed **CSV** data into the ELK stack using **JRuby** and **Logstash**, identifying key error trends within **UAT** to be pushed to production with a more accurate error resolution process.
 - Engineered a "drill-down" feature by analyzing client efficiency within Kibana & Elastic Search, enhancing user access to detailed documentation on Confluence and improving data interpretation **efficiency by 30%**.
- **McMaster Engineering Society**  *June 2024 - Present*
Front-end Developer Remote
 - Created a dynamic room booking system page using **React.js**, **Tailwind CSS**, **HTML** and **NextUI**, increasing intuitive scheduling and real-time availability updates. Managed version control with **Git**, developing key practices for eventual deployment and merge.
 - Implemented a user-friendly information modal within the booking system using **Tailwind CSS** for layout, reducing user confusion and support requests. Saved **5 hours** of time weekly through taking initiative on cross-team collaboration and communicating with UI/UX testing on **Figma**.
- **Town of Aurora**  *September 2021 - Present*
Lifeguard & Swim Instructor Aurora, Ontario
 - **Effectively collaborated** with a team of Lifeguards during peak season with **150+** daily visitors. Managed and taught students ranging from 10 months to 40 years old, through **communicating a cultivated** curriculum.

PROJECTS

- **IBM Qiskit Hackathon** *November 2024*
Tools: *Pytjon, Matplotlib*
 - Developed a true random password generator using IBM's Qiskit & Quantum platform, utilizing **Python** with a **hashmap data structure** for efficient data storage and **matplotlib** to visualize quantum randomness.
- **Stock Analysis Program:** *January 2023 - June 2023*
Tools: *Python, HTML, CSS, Flask, YahooFinance API, Matplotlib* 
 - Developed **Object-Oriented** program for stock data visualization and analysis utilizing **DevOps principles**.
 - Deployed a **Flask**-based back-end for handling API requests with an interactive dashboard using **HTML**, **CSS** and **Matplotlib** achieving efficient data retrieval and streamlined user interaction.
 - Evaluated 10 stocks that yielded highly investable through algorithm over a 4 week period, resulting in **70% overall profiting** from initial investment recommendation.

CERTIFICATIONS

- **Leading SAFe Agile**  *July 2024*
- Awarded a **96%** on a Scaled Agile exam developing knowledge of Agile Methodologies, SCRUM meetings, Lean Agile Mindset, Agile Release Trains.

SKILLS

- **Web Technologies:** Springboot, Flask, Git, Elastic-search, Logstash, Kibana, Kafka, AutoCAD, Matplotlib, Postman
- **Programming Languages:** Python, Java, C, Javascript, React.js, CSS, Tailwind CSS, HTML, SQL, KQL, Matlab, JRuby, Linux, Bash