

Mike Li

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Education

McMaster University

August 2018 - May 2023

Bachelor of Engineering, Software Engineering Co-op

Hamilton, ON

- GPA: 10.7 (3.77 on a 4.0 scale)

Experience

Student Software Engineer – Projects

May 2021 – August 2022

Evertz Microsystems

Burlington, ON

- Reduced **AWS** costs by **thousands of dollars** weekly by using AWS services to automate the start/stop of high-cost **EC2** instances.
- Developed an automated **Python** script to monitor **AWS S3** buckets, ensuring real-time detection of uploaded files, and implemented file processing routines for accelerated data availability and integration into other products.
- Implemented a **Python** screen scraper to automate product information updates during deployments, significantly reducing developer time and enhancing deployment efficiency.
- Collaborated with cross-functional teams in a remote work environment, utilizing **Scrum** practices to streamline software development and facilitate rapid adaptation to evolving requirements.

Projects

✉ [Star Rail Warp Sim](#) | Web-Based Item Collection Simulation

June 2023

- A web-based simulation of randomized item acquisition events in the game "Honkai Star Rail", implemented with **React**, **CSS**, and **HTML**.
- Achieved significant user engagement with over **100,000 visits** and a consistent daily user base.
- Focused on optimizing media content to reduce bandwidth usage and ensure fast loading of images and videos for an improved user experience.
- Implemented responsive design principles to optimize the app for all screen sizes and devices.

✉ [Restaurant Ordering System](#) | Full Stack MERN project

August 2023

- Collaborated with a team during the initial front-end development phase, gaining experience with **React** for user interface design.
- Singlehandedly transformed the front-end prototype into a fully functional ordering system.
- Implemented the back-end infrastructure using **Express**, **MongoDB**, **Mongoose**, and **Node.js**, then deployed the project using Render.

✉ [Heardle Unlimited](#) | Front End project

August 2022

- Song intro trivia game and music player utilizing Spotify **REST API**.
- Allows full song playback with a custom music player built from the ground up.
- Implemented with **React**, **JavaScript**, **HTML**, and **CSS**.

Skills

Languages/Technologies: Javascript, React, Node.js, Python, Java, MongoDB, AWS

Developer Tools: Git, Jenkins, Ansible