

# Marcel Lui

Software Engineering • Greater Toronto Area • (647) 532 1112  
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## PROJECTS

### Portfolio Website

11/2023-12/2023

- Developed responsive and user-friendly interfaces using HTML, CSS, Sass, and JavaScript.
- Implemented dynamic features and interactivity with front-end framework React.js
- Developed RESTful APIs to enable seamless communication between the front-end and back-end components.
- Integrated MySQL as a database for efficient data storage and retrieval.
- Created a custom GPT using OpenAI fine tuning to create Marcel AI, an AI that can answer personalized questions that employers or users interested have about me

### InStock Warehouse Management System

10/2023-11/2023

- Developed a warehouse management system, inventorying over 12 warehouses each with 500+ unique items
- Designed features that allowed for the user to sort through inventory items by quantity, date, and alphabetically and also to add and remove warehouses & items
- Collaborated with 5 other team members using tools such as Jira and Trello for project tracking, Slack for communications, and Github for version control.
- Conducted code reviews and implemented best practices to ensure code quality, maintainability, and scalability.

### Industry Project (Hackathon)

10/2023-11/2023

- Successfully participated in Industry Project Hackathon for Roku, a 2 day long software engineering hackathon.
- Collaborated with UX/UI designers to ensure seamless integration of design elements into the application
- Orchestrated end-to-end development of web applications, ensuring a cohesive and integrated user experience.

## SKILLS

Python, MySQL, HTML, CSS, JavaScript, C++, Java, OOP, Typescript, Node.js, Express.js, DOM, APIs, User Authentication, OAuth, Heroku, GitHub, Jest, Agile, Jira, Slack, SPAs

## EDUCATION

Diploma in Software Engineering

09/2023-12/2023

BrainStation Bootcamp - Online, Remote

BaSc in Mechanical Engineering, 3A

Expected Graduation 2026

University of Waterloo - Waterloo, ON

## EXPERIENCE

**Delta Elevator Co Ltd.** Waterloo, ON

09/2021-12/2021

*Mechanical Engineering Co-op*

- Drafted financial documents for construction, leading to over \$1.2M in sales

**Prisca Group Construction Management.** Waterloo, ON

05/2020-09/2020

*Mechanical Engineering Co-op*

- Drafted documentation for construction, leading to over \$2.5M in sales
- Created a database for 30+ construction machines, documenting machine status, conditions and repairs using VBA in Microsoft Excel.