

Yifei Ma

SOFTWARE DEVELOPER

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PROFILE

As a chemist, I delved deep into the unknown. Yet, I realized that while scientists pursue knowledge, engineers focus on practical solutions. This insight led me to the realm of software development. I'm confident that my analytical skills and knack for problem-solving will make me stand out in this new field. I'm eager to use these abilities to craft innovative solutions for the world.

SKILLS

HTML, CSS, JavaScript, MySQL
React, Node.js, Express.js, Web APIs,
Document Object Model(DOM) APIs,
Git, REST APIs.

EXPERIENCE

Full-Time Tutor | SpeedUp Education

JAN 2020 - SEPT 2020, BURNABY, BC

- Demonstrated mentorship and organization by assisting over 20 IELTS students in attaining their desired objectives.
- Contributed in specific course development within the tutoring institution by achieving an average class grade of A- for 5 students for introductory Biology.

Undergraduate Research Assistant | University of Alberta

SEPT 2018 - 2019, EDMONTON, AB

- Developed novel detection techniques for peroxides by establishing instrumental responses for 3 peroxides at various wavelengths.

EDUCATION

BrainStation | Diploma, Web Development

JUN 2023 - SEPT 2023, VANCOUVER, BC

University of Alberta | Bachelors in Chemistry, Specialization

SEPT 2015 - 2019, EDMONTON, AB

PROJECTS

Full-stack Web Development | Project : Pick Your Dishes

Aug 2023 - Sept 2023

- Developed a culinary platform community using JSX and SASS, leveraging third-party libraries to achieve a visually appealing design, facilitating user sharing and the exchange of culinary strategies.
- Designed and implemented customized relational database structures using MySQL, optimizing data relations and ensuring scalability for the platform's future growth.
- Curated and aggregated relevant culinary content using an optimized database, resulting in a reduction of users' search time for their desired culinary experiences by at least 50%.
- Deployed the production-ready project on Heroku and Netlify, ensuring seamless online accessibility and optimizing user experience with high-performance interactions.

Cross-Disciplinary Design Sprint | Project : Industrial Project

Aug 2023 - Sept 2023

- Devised a comprehensive solution based on the concepts provided by Lush clients, collaborated with the data science and UX teams, and within 24 hours, formulated an initial product proposal and project plan.
- Enhanced employee efficiency and significantly elevated customer service quality by adapting the existing POS system at Lush, optimizing it on the staff-side, and tailoring it to better serve customers.

Full-stack Web Development | Project : In-Stock Application

Aug 2023 - Sept 2023

- Optimized project structural organization through the implementation of the Jira workflow system, leading to a 30% increase in work efficiency over the course of the project.
- Demonstrated proactive communication, assessed through the utilization of Git and daily stand-up meetings, resulting in heightened transparency of project progress and acceleration of advancement.

Undergraduate Researcher | Analytical Detection of Organic Peroxides

SEPT 2018 - DEC 2019

- Demonstrated autonomous project management skills while ensuring regular communication and updates with the supervisor.
- Engaged in effective collaboration with fellow group members and demonstrated adept prioritization skills in resolving urgent issues.