Yifei Ma

FULL STACK DEVELOPER

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PROFILE

Transitioning from chemistry to tech, I've embraced my role as a Junior Full Stack Developer with focus on React platform. My journey is driven by a passion for solving real-world problems and a relentless pursuit of learning and growth. As a newcomer with a strong work ethic, I'm excited to tackle new challenges and blend my scientific background with my developing skills to make a meaningful impact

SKILLS

React, Express.Js, JavaScript, MySQL, HTML5, CSS3, WebAPIs, Git, Jira, Code Review, HTML, CSS, Heroku

EXPERIENCE

Full-Time Teaching Assistant | BrainStation

JAN 2024 - APR 2024, Vancouver, BC

- Supported the development and success of 29 students in mastering React, JavaScript, and Express, aiding them in earning their Diploma Certificates. Collaborated with Instructors, providing targeted assistance
- Improved code review proficiency by evaluating over 10 student projects weekly, identifying and correcting errors and omissions. Provides in-depth, constructive feedback.

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, enhancing accuracy and sensitivity in chemical analysis.

EDUCATION

BrainStation | Diploma, Web Development

JUN 2023 - SEPT 2023, VANCOUVER, BC

University of Alberta | Bachelors in Chemistry, Specialization

SEPT 2015 - 2019, EDMONTON, AB

PROJECTS

React Front-end Development | Project : Portfolio

Feb 2024 - NOW

- Designed and implemented customized relational database structures using MySQL, optimizing data relations and ensuring scalability for the platform's future growth.

Full-stack Web Development | Project : Pick Your Dishes

AUG 2023 - NOW

- Engineered customized relational database structures with MySQL, enhancing data efficiency and scalability to support the platform's future expansion
- Streamlined culinary content discovery by curating and integrating it into an optimized database, slashing user search times by over 50% and enhancing user experience.

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

AUG 2023 - SEPT 2023

- Enhanced project structural organization by integrating a Jira workflow system, resulting in a 30% boost in team productivity and project delivery efficiency
- Boosted project transparency and expedited progress through proactive use of Git for version control and daily stand-up meetings, fostering a notable acceleration in project milestones.