WEI-CHI FANG

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Portfolio: https://weithefang.github.io/wei-react-portfolio/

SUMMARY

As a Full Stack Web Developer, I bring a unique perspective to software development with my background in Pharmaceutical Chemistry and passion for continuous learning. With a Full Stack Web Development Certificate from the University of Toronto Coding Bootcamp, I possess the skills to develop intuitive and user-friendly applications. With a focus on creativity, teamwork, and project management, I approach each project with a user-first mentality, aiming to innovate and problem-solve throughout the development cycle. My attention to detail and problem-solving abilities enable me to tackle complex projects with ease, delivering successful outcomes every time.

TECHNICAL SKILLS

Area	Web Development
Technical Language	Javascript
Libraries/Frameworks	React.js, Express.js, Webpack, Git, Node.js, HTML5, CSS3
Database	MongoDB, MySQL
Platform	Heroku, DigitalOcean

PROJECTS

Better Github ReadMe
https://github.com/WeitheFang/better-github-readme | https://better-github-readme.herokuapp.com
- App for developers to create and update ReadMe files, with direct push to GitHub integration.
- Set up and maintained project infrastructure, integrated Stripe payments, deployed to Heroku, and troubleshooted issues to ensure smooth operation.
- Figma, React, Cloudinary, GraphQL with Node.js and Express.js, MongoDB and Mongoose ODM, and Heroku

Chef's Choice
https://github.com/WeitheFang/chefs-choice | https://chefs-choise.herokuapp.com/
- This is a recipe database with meal categories, user-generated content, and Walmart ingredient purchase links. Login needed to post recipes.
- Set up and configured servers, APIs, and databases for the project, and troubleshooted issues to ensure smooth operation.
- Figma, Cloudinary, MVC, Handlebars, Sequelize, MySQL, Tailwind CSS, Node.js, Express.js, and Heroku

EXPERIENCE

Undergraduate Thesis Student   Oct 2021 – April 2022
Jean Gariepy's Lab (Sunnybrook Research Institute)   Toronto, ON
As a researcher, my responsibilities included designing and building a pentamer of OX40L to enhance its effectiveness in controlling tumor growth in mice with colon carcinoma. This involved fusing the COMP pentamerization domain to the N terminal domain of the extracellular domain of OX40L, and conducting six months of independent research to achieve the desired outcome. Throughout this project, I utilized strong communication skills to collaborate with my team and stakeholders, critical thinking to troubleshoot issues and optimize the design, and effective time management to ensure timely completion of tasks.
Key Accomplishments:
- Based on my overall performance and the quality of my thesis paper, I received an excellent grade of 83% (A-) for this research project.

Substitute Military Service   Aug 2020 – Dec 2020
National Immigration Agency, R.O.C   Yun-lin, Taiwan
As a Substitute Military Service member at the National Immigration Agency, R.O.C, my responsibilities included providing translation services to individuals who did not speak Mandarin, word processing and data integration tasks, and organizing files systematically to ensure efficient retrieval of information.

Junior Scientist intern   May 2020 – Aug 2020
Chengda Pharmaceutical Co., Ltd   Tainan, Taiwan
As a junior scientist intern at a pharmaceutical laboratory, I worked in the Quality Control (QC) group for one month, monitoring products to ensure compliance with GMP regulations for water quality, raw materials, and final products. In the Research and Development (RD) group from June to August, I tested drug and tablet stability for unapproved drugs. Through this experience, I developed transferable skills in attention to detail, critical thinking, and adherence to regulations.

EDUCATION

Full Stack Web Development Boot Camp Certificate: *University of Toronto, Toronto, ON*
This is a rigorous 24-week program designed to develop technical programming proficiency in a range of web development technologies, including HTML5, CSS3, Javascript, JQuery, Bootstrap, Firebase, Node.js, MySQL, MongoDB, Express, Handlebars.js, and ReactJS. The program provides an in-depth understanding of these key tools and techniques, enabling graduates to succeed in demanding technical roles in the web development industry.

HBCs, Pharmaceutical Chemistry Specialist: *University of Toronto, Toronto, ON*
This is a comprehensive four-year program that integrates knowledge from the biological, medical, and physical sciences to analyze the scientific foundations of drug therapy. The program focuses on the chemical mechanisms underlying the reactions and interactions associated with drug therapy, providing a deep understanding of this critical area of healthcare.