WENJIE (WENDY) CHEN

PASSIONATE FRONT END DEVELOPER

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PROFESSIONAL PROFILE

Meticulous Front-End Developer with experience of developing single-page application using TypeScript & React and implementing responsive designs. Master's degree recipient with a background in web design and development. Proficient in an assortment of web development technologies and tools.

EDUCATION

Master of Science Systems Science, GPA 9.6/10   Jan 2018 - May 2020
University of Ottawa, Ottawa, Ontario, Canada

Bachelor of Engineering, GPA 4.3/5   Sep 2013 – June 2017
University of Science and Technology, Beijing, China

WORK EXPERIENCE

Software Developer   Nov 2020 - Present
KataniTech, Ottawa, ON

- Volunteering of a humanitarian project to support over 2407 local businesses across Canada by sharing "pop-up" deals both in-store and online
- Maintaining, optimizing, troubleshooting and improving the performance of website and mobile applications
- Working closely with QA and other team members on the development team

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PROJECT EXPERIENCE

Burger Builder E-commerce Application – burgershop.app || GitHub

Tech Stack: React, Redux, Material-UI, Redux-thunk, react-router, axios, Firebase

- Designed and built the UI/UX for consumers to add or remove 4 types of ingredients and create their own burgers, managed the state via Redux, and stored contact information and order data in the database
- Performed user authentication to allow customers to submit burger orders and access past orders
- Implemented responsive web design for different browser sizes including phones, tablets and computers

Task Management Application – task.management.app || GitHub

Tech Stack: TypeScript, React, Redux, Styled-Components, react-router

- Developed a task management application displaying 3 status of tasks
- Applied modal and popup to add new task and update the task status

A Rule-Based Expert System for Predictive Maintenance of A Hybrid Bus – master's research

Tech Stack: JavaScript, HTML, CSS, SASS, Python, Flask, flask-sqlalchemy, MySQL

- Designed a rule-based expert system including back-end management and front-end development to simulate the real-time performance of a bus and achieve 100% correctness to predict the malfunction before it happens
- Collaborated with cloud architects and mechanical technicians to build, test and improve the expert system

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TECHNICAL SKILLS

Languages: JavaScript ES6, TypeScript, HTML, CSS, SQL, Python, Java
Libraries/Frameworks: React, Redux, Material-UI, Styled-Components, SASS, Webpack, Jest, Flask, Django
Database management Systems: MySQL, MongoDB, NoSQL
Web services: RESTful API, JSON, AJAX, Axios
Tools/Methodologies: Git, Firebase, Microsoft Azure Environment, Agile Development, Netlify, Figma