

# WENJIE (WENDY) CHEN

## FRONT END WEB DEVELOPER

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## PROFESSIONAL PROFILE

Passionate Front-End Developer with experience in building reusable components using ReactJS & Redux and implementing UI/UX design. Master's degree recipient with a background in web design and development. Proficient in an assortment of web stacks.

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## EDUCATION

### Master of Science Systems Science, GPA 9.6/10

Jan 2018 - Oct 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*

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## WORK EXPERIENCE

### Front-end Developer

Dec 2020 - Present

*DigLit, Toronto, ON*

- Working in an agile environment with 20+ team members to deliver an application for volunteer drivers and performing peer reviewing to ensure code quality
- Developing components using Typescript and Next.js, and writing unit test to validate code performance

### Software Developer

Nov 2020 - Present

*KataniTech Inc., Ottawa, ON*

- Volunteering at a startup company for a humanitarian project to support over 2407 local businesses across Canada by sharing “pop-up” deals both in-store and online
  - Maintaining, troubleshooting and optimizing the performance of web applications and mobile applications
  - Collaborating closely with software engineer, designers and production 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 web application for consumers to add or remove 4 types of ingredients and create burgers, managed the state via Redux, and stored contact information and order data in the Firebase database
- Performed user authentication on Firebase to allow customers to submit burger orders and access past orders
- Implemented responsive web design for different browser sizes including phones, tablets and computers

### **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 with 35 rules including backend and frontend to simulate the real-time sensor data of a bus and achieved 100% correctness to predict the malfunction before it happens
  - Collaborated with cloud architects and mechanical technicians to store and analyze the accurate data
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## TECHNICAL SKILLS

**Languages:** JavaScript ES6, TypeScript, HTML5, CSS, SQL, Python, Java

**Libraries/Frameworks:** React.js, Next.js, Redux, D3.js, Material-UI, SASS, Webpack, Jest, Flask, Django

**RDBMS/Web Services:** MySQL, SQL Server, PostgreSQL, RESTful API, JSON, AJAX, Axios

**Tools/Methodologies:** Git, Firebase, Microsoft Azure Environment, Agile Development, Netlify, Figma