

WENJIE (WENDY) CHEN

FRONT END SOFTWARE ENGINEER

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PROFESSIONAL PROFILE

2+ years of experience as frontend developer in building intuitive and performant cross-browser UI. Deep knowledge in multiple frontend frameworks including AngularJS & ReactJS. Master's degree recipient with a background in software development.

WORK EXPERIENCE

Frontend Engineer

March 2021 - Present

Cerebri AI, Toronto, ON

- Implementing and maintaining an AI powered enterprise web application on Typescript/Angular/D3 stack
- Designing and developing an in-house rebuild platform including UI and database to help users create data visualization dashboards which cuts app rebuilding time by 50%
- Promoting multilingual feature and multiple theme system support to rich customer experience
- Improving application performances by contributing to UI workshop weekly to establish best practices

Frontend Developer

December 2020 – December 2021

DigLit, Toronto, ON

- Collaborated with 20+ team members in agile environment to deliver an application for volunteer drivers
- Achieved high-quality code contribution by performing peer review and write unit test in Jest
- Built the UI to manage drivers' information and improve search engine optimization by adopting NextJS

Frontend Developer

January 2021 – March 2021

The Lookbook, Remote

- Built responsive single page application (SPA) using React & Redux and followed standard design protocols
 - Performed queries and mutations to enable members to upload looks and submit feedbacks in GraphQL
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EDUCATION

Master of Science Systems Science, GPA 9.6/10

January 2018 - October 2020

University of Ottawa, Ottawa, Ontario, Canada

Bachelor of Engineering, GPA 4.3/5

September 2013 - June 2017

University of Science and Technology, Beijing, China

PROJECT EXPERIENCE

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 vehicle and achieved 100% correctness to predict the malfunction before it happens
 - Collaborated with cloud architects and mechanical technicians to store and analyze the bus data
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TECHNICAL SKILLS

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

Libraries/Frameworks: AngularJS, ReactJS, NextJS, Node, Redux, NGRX, GraphQL, Material-UI, SCSS, Jest, React Testing Library, Webpack, Babel

RDBMS/Web Services: MySQL, SQLite, Mongo DB, RESTful API, JSON, AJAX, Axios

Tools/Methodologies: Git, Agile Development, GitHub, JIRA, Slack, Figma, Adobe XD, Firebase