Haozhe Wang

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EDUCATION

University of Toronto Sep 2021 - Apr 2023
Master of Engineering in Electrical and Computer Engineering | GPA 3.82 Toronto, Canada

University of Wisconsin - Madison Jan 2019 - May 2019
Visiting Student in Electrical and Computer Engineering | GPA 4.00 Madison, United States

Northeastern University Aug 2017 - Jun 2021
Bachelor of Engineering in Electrical Engineering | GPA 3.42 Shenyang, China

EXPERIENCE

LawyerDoneDeal Corp May 2023 - Present
Software Developer | TypeScript, Node.js, Express.js, React, SQL, Azure Toronto, Canada

- Built a highly customizable **Document Management** system using **React** and **Express.js**, enabling real estate lawyers to efficiently organize categories and packages, and search, filter, tag, create, edit, favorite templates. Integrated advanced functionalities including customized tags, page dirty warning, and edit conflict check.
- Developed a **Document Generation** interface using React that allows lawyers to merge, preview, and download legal documents for real estate cases. Integrated with file drive and notifications for easy access to generated documents and real-time status updates. Rewrote legacy backend APIs with Express.js.
- Established a secure **User Management** system using React and Express.js, enabling administrators to manage accounts, permissions, and lawyer personal information. Integrated frontend and backend permission checks to ensure compliance and prevent unauthorized actions.
- Created secure public APIs using **Express.js** to expose lawyer, client, and case data, enabling external access with **OAuth2-based** authentication using refresh and access tokens.
- Implemented a file template feature, allowing firm administrators to create templates with predefined data and configurations. Empowered lawyers to efficiently populate new real estate case files by selecting templates.
- Optimized a file list loading API by adding pagination to reduce response time by an average of **32%**. Enhanced the file list interface to support customizable column presentation and user-defined sorting preferences.
- Automated the processing of email subscription reports from TD Bank by developing a Google Apps Script to extract and pass data to backend APIs, which updates the database and generates reports. Streamlined the process, reducing manual effort for the support team and improving data accuracy.
- Devised a web scraping solution using Puppeteer to simulate human input and bypass anti-bot detection, allowing retrieval of website data without direct API access. Integrated a backend API to deliver real-time search results from web crawler.

PROJECTS

Shopme E-Commerce App | Java, Spring, React, SQL, AWS

- Utilized **Spring** to build an online shopping application, that provides a login system, product management, order tracking, customer reviews and checkout confirmation functionalities.

Mini Pinterest Web | Python, Flask, SQL, AWS

- Constructed a full-stack image-sharing platform using **Flask** with **Memory-Caching** and **Auto-Scaler**, optimizing performance and reducing server resource usage.

TECHNICAL SKILLS

Languages:	TypeScript, JavaScript, Java, Python, SQL, C#, C/C++
Frameworks:	Node.js, Express.js, React, Spring, Flask, Bootstrap, Tensorflow, Hadoop, Spark
Tools:	Git, Linux, Docker, AWS, Azure
Certificates:	AWS Certified Cloud Practitioner, Canadian Securities Course (CSC), CFA Level I Candidate