

Shuhan Liu

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OBJECTIVE

Motivated individual with computer engineering background and full-stack development experience in real industry. Seeking a challenging role to leverage technical skills and passion for creating user-friendly websites and applications. Keen on staying up-to-date with the latest technologies, and contributing to a team that values collaboration and innovation.

QUALIFICATIONS

- **Programming Languages:** JavaScript, TypeScript, Python, HTML, CSS, SQL, C++
- **Tools & Technologies:** Node.js, Git, Linux, AWS, MongoDB, RabbitMQ, MS Azure, MS SQL Server
- **Frameworks & Libraries:** React, Express, jQuery, Bootstrap, Leaflet, BS4, Pandas
- **Soft Skills:** Proficient in English and Mandarin; basic Japanese

WORK EXPERIENCE

Woodbridge Group

Mississauga, ON, Canada

Software Developer Intern

Sep 2022-Dec 2022

- Utilized **C#** and **JavaScript/React** to develop a web application that demonstrates real-time industrial data and allows active interactions with the data repository
- Implemented new **SQL** scripts to efficiently collect and process over **5000** raw data records from multiple departments and plants using **Microsoft SQL Server**
- Visualized cumulative data using **Superset** in user-friendly, dynamic graphs and tables

PiinPoint

Waterloo, ON, Canada

Full-stack Developer Intern

May 2020-Aug 2020

- Developed a **web-based** analytical mapping software used to generate analysis reports with over **95%** accuracy rate of potential customers near target locations using **JavaScript/React** and **Python**
- Applied **Node.js** and **MongoDB** to manage massive business data required by the application
- Integrated the application with **Google Maps API** and **Leaflet** to provide basic map features including marking spots and displaying detailed location information

MCAP Inc.

Waterloo, ON, Canada

Software Developer Intern

Sep 2019-Dec 2019

- Built the backend administration feature of a **single-page** web application used for mortgage lending by applying **TypeScript/React** and **Node.js/Express**
- Architected a microservices-based distributed system to improve the overall performance of the application using **MongoDB**, **RabbitMQ** and **RESTful** web services
- Participated in **Agile** team events including sprint planning, modeling and pair programming.

EDUCATION

University of Waterloo

Waterloo, ON, Canada

Bachelor of Applied Science in Computer Engineering

Sep 2018-Apr 2023