

Cao (Henry), Zhang

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TECHNICAL SKILLS

| Programming Languages | Libraries & Frameworks | Tools & Platforms | Operating System |
|--|--|---|------------------|
| JavaScript, TypeScript, HTML, CSS/Sass, Python, C++, C#, Java, PHP, MySQL, No-SQL, Swift, MATLAB | jQuery, React, Angular, Node.js, Express | Git, Firebase, WordPress, Docker, Figma, Heroku | Linux OS |

WORK EXPERIENCE

The University of Western Ontario, London, Ontario

May 2022 – Sep 2022

Software Engineering Intern

- Designed and developed an iOS bridge health monitoring APP using XCode and MATLAB; received positive feedback from the project lead and client management team for and high-quality coding.
- Assessed current needs and opportunities for development, initiated the construction of a cloud client-server csv filedata transmission system, significantly improved workflow efficiency by 40%.
- Worked closely with client management to maintain effective communication between different function groups.

London Ontario Chemical Manufacturing Consultancy, London, Ontario

Jan 2022 – May 2022

Technical Consultant

- Supported key business initiatives by developing company website using CSS, HTML, and JavaScript, outlining communication strategies, and streamling internal feedback model to ensure optimal performance.
- Collaborated with the finance manager to examine financial statements, identified cost saving opportunities and executed corresponding strategies to enhance cash management.
- Developed and automated several workflows for recurring tasks using Python and MATLAB, minimized human errors and ensured long term success.

Long Yang Industry, Zhejiang, China

May 2021 – Aug 2021

Website Development Intern

- Developed using CSS, HTML, JavaScript, and jQuery to enhance overall site functionality and user experience on company's web page, improved site's functionality and speed.
- Participated in weekly project meetings to discuss current workflow and future project timeline, gained general understanding in technology team management and workflow standardization.
- Performed various administrative tasks, completed initial prototype design, and identified growth opportunities.
- Served as first point of contact between tech department and operations department, effectively facilitated several conference meetings, gained general knowledge in industry standards among service provider firms.

PROJECTS & ACTIVITIES

Sorting Algorithms Playground, London, Ontario

Jan 2022 – Apr 2022

Project Lead

- Led a team of three in the development of a dynamic and interactive gamified website to support K12 students' learning of sorting algorithms with React.js and Firebase.

AutoGo (Full Stack Development), London, Ontario

May 2021 – Aug 2021

Developer

- Developed a user-friendly car rental mobile application using Ionic Angular framework.
- Worked with two UX designers and jointly designed APP's front-end UI, established responsive server using Node.js and constructed DBMS with MYSQL.

EDUCATION

The University of Western Ontario, London, Ontario

Apr 2023

Bachelor of Science in Software Engineering

Honors & Awards:

Full Stack Developer Certificate (awarded jointly by the University of Western Ontario and Robo Garden);

The 2019 Western Scholarship of Excellence Recipient