

Henry (Cao) Zhang

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TECHNICAL SKILLS

Programming Languages	Libraries & Frameworks	Tools & Platforms	Development Skill
TypeScript, HTML, CSS/Sass, MySQL, Python, C++	React, NextJS, Angular, tRPC, Prisma, Express, RESTful APIs	Node.js, Git, Firebase, Docker, GCP, Kubernetes	Agile Development

WORK EXPERIENCE

Groops, Remote

Dec 2022 – Sep 2023

Software Development Lead

- Supported key business initiatives by providing technical information, managing front and back-end development processes, and overseeing quality assurance efforts.
- Reviewed and assessed architecture design, implementation and testing needs to identify project requirements and costs.
- Spearheaded the development of approximately 80% of the application's API functions using TypeScript, tRPC and Prisma, and orchestrated Agile development, workflow standardization, team communication and code integration.
- Hosted regular team meetings using MS Teams and Zoom and created performance reports and functionality requirements aligned with business needs, using the Microsoft Suite.

The University of Western Ontario, London, Ontario, Canada

May 2022 – Sep 2022

Software Engineering Summer Researcher

- Designed and developed an iOS bridge health monitoring APP using XCode and MATLAB; received overwhelmingly positive feedback from the project lead for phenomenal result and high-quality coding.
- Assessed current needs and opportunities for development, initiated the construction of a cloud client-server CSV file data transmission system, significantly improved workflow efficiency by 40%.

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 performance, and responsiveness.
- 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 of industry standards among service provider firms.

PROJECTS & ACTIVITIES

Sorting Algorithms Playground, London, Ontario

Jan 2022 – Apr 2022

Developer

- 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.

EDUCATION

The University of Toronto, Toronto, Ontario, Canada

Expected Graduation: May 2025

Masters of Information, (Information System and Design)

The University of Western Ontario, London, Ontario, Canada

May 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