Henry (Cao) Zhang

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Professional Profile

Emerging expert in bridging the divide between technical and non-technical teams. Proficient in blending IT acumen with business insights to optimize processes, drive strategic decisions, and create human-centric solutions. My mission is to create an environment where technology enhances the human experience, making businesses more efficient and customer-centric.

Education

The University of Toronto, Toronto, Ontario, Canada   expected graduation: *2025*
Masters of Information Candidate, (Information System and Design)

The University of Western Ontario, London, Ontario, Canada   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*

Work Experience

Groops, *Remote*   *2022, 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 and created performance reports and functionality requirements aligned with business needs, using the Microsoft Suite.

The University of Western Ontario, *London, Ontario, Canada*   *Summer 2022*
Software Engineering Summer Researcher

- Designed and developed an iOS bridge health monitoring APP using XCode and MATLAB; received overwhelmingly positivefeedback 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*   *Summer 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, Canada*   *Spring 2022*
Web 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.

Professional Skills

Programing Languages	**Libraries & Frameworks**	**Systems & Platforms**	**Valuable Skills**
MySQL, TypeScript, HTML, CSS/Sass, Python, C++, Java	React, NextJS, Angular, tRPC, Prisma, Express, RESTful APIs	Node.js, Git, Firebase, Docker, GCP, Kubernetes	MS suite, Visio, Agile development, UI design principle, UML, BPMN, DFD, Chinese (native)