

# Henry (Cao) Zhang

[henrycao.zhang@mail.utoronto.ca](mailto:henrycao.zhang@mail.utoronto.ca)

(+1) 519-701-1804

## Current Address:

Toronto, ON, Canada  
M5G 1P7

LinkedIn: [linkedin.com/in/henry-zhang-uoft](https://www.linkedin.com/in/henry-zhang-uoft)

Website: [henryczhang.github.io](https://henryczhang.github.io)

GitHub: [github.com/HenryCZhang](https://github.com/HenryCZhang)

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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

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## 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.

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## 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.

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## EDUCATION

### The University of Toronto, Toronto, Ontario, Canada

Expected Graduation: Sep 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