

Cathie Yan

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Education

University of Waterloo

Honours Bachelor of Computer Science

- Specializing in Human-Computer Interaction.

Waterloo, ON

Graduating May 2026

The Hong Kong University of Science and Technology

Fall Study Abroad Program

- Completed course work in Computer Science and Humanities.

Hong Kong

Aug 2024 - Dec 2024

Experience

Ansys

Software Developer Intern

Waterloo, ON

Jan 2025 - Present

- Maintained product modules within a CI/CD environment by performing complex bug verification, unit testing, and release testing, improving system stability and reducing production defects.

SS&C Technologies

Full Stack Developer Intern

Toronto, ON

Jan 2024 - Apr 2024

- Deployed user experience enhancements across a software solution product for **300,000+** monthly active users by building new features using **Angular**, **JavaScript**, **TypeScript**, and **SCSS**.
- Diagnosed and resolved internal issues for triage, reducing developer effort by **40%**.
- Defined, developed and estimated user stories and epics with a product owner within an **Agile Scrum** team.
- Architected an organization-wide website **accessibility** improvement scheme, prospecting solutions to promote inclusivity for **600+** customers worldwide.

ReliablyME

Software Developer Intern

Toronto, ON

May 2023 - Aug 2023

- Refactored the existing web-based admin console from design to implementation, enhancing productivity for **100+** active users.
- Shipped a generative AI chatbot application to determine user intentions using ChatGPT's **GPT-4** model, **Python**, and **React.js**.
- Diagnosed and resolved collaboration issues, including Git version control and repository merging bugs.
- Delivered comprehensive demonstrations to major stakeholders based on **UX research** surveys.

Community & Volunteering

VisionDrop AI

Mobile App Development Intern

Hong Kong

Oct 2024 - Present


- Developed and launched the company's **iOS** and **Android** application with a focus on user experience, utilizing the **Flutter** framework to ensure cross-platform compatibility.
- Leveraged **Azure OpenAI Studio** in training **GPTs** to create product-specific insight reports.

UW Computer Science Club

Website Developer

Waterloo, ON

Jan 2024 - Present

- Designed and implemented the Class Profile website  for **700+** CS students from the graduating class of 2023.
- Collaborated closely with the club leadership in biweekly meetings to gather requirements and continuous feedback through user surveys.
- Implemented interactive chart features and responsive navigation bars, allowing for an intuitive user experience.

Skills

Languages: C/C++, C#, Python, JavaScript/TypeScript, HTML, CSS, SQL, R, Golang

Technologies: NodeJS, ReactJS, NextJS, Express, MongoDB, PostgreSQL, Flask, Pandas, scikit-learn, NumPy, JQuery, Linux/Bash, Git, Postman API, Azure, AWS, Jira