

Cathie Yan

✉ cathieyan@hotmail.com | [in linkedin.com/in/cathie-yan](https://www.linkedin.com/in/cathie-yan) | cathieyan.com

EDUCATION

University of Waterloo

Sept. 2022 - May 2026

Honours Bachelor of Computer Science, HCI Specialization

Waterloo, ON

- Courses: Data Structures, Algorithms, Object-Oriented Programming, Linear Algebra, Calculus, Probability

TECHNICAL SKILLS

Languages: Python, C/C++, HTML, CSS/SCSS, JavaScript/TypeScript, SQL, Go, R

Libraries/Frameworks: React.js, Node.js, Next.js, Redux, Express, Flask, Tailwind CSS

Databases/Cloud: PostgreSQL, MongoDB, SQLite, Firebase

EXPERIENCES

Full-stack Developer

Jan. 2024 – Apr. 2024

SS&C Technologies

Toronto, ON

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

Software Developer & UI/UX Designer

Jun. 2023 - Aug. 2023

ReliablyME

Toronto, ON

- Refactored the existing web-based admin console to enhance productivity for **100+** members.
- 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 user research.

COMMUNITY & LEADERSHIP

Lead Developer

Jan. 2024 - Apr. 2024

Stealth Startup

Waterloo, ON

- Mentored two interns in developing a full-stack web application using authentication and Cloudflare video rendering storage.
- Designed the technical architecture of the MVP, applying database design techniques.
- Organized sprint reviews and advocated for an Agile methodology to encourage entrepreneurial mindset.

Website Developer

Jan. 2024 – Present

UW Computer Science Club

Waterloo, ON

- Designed and implemented the Class Profile website [🔗](#) for **700+** students from the graduating class of 2023.
- Collaborated closely with the club leadership to gather requirements and specifications, ensuring the website aligned with the goals and needs of CS students.
- Implemented interactive chart features and responsive navigation bars, allowing for an intuitive user experience.

PROJECTS

SpotiPod | *JavaScript, HTML, CSS, Node.js, Express, PostgreSQL, AWS, NginX, Ubuntu*

August 2023

- Developed and deployed a Spotify Podcast browser and web player to the Opera extension store
- Integrated Spotify's API for SSO/OAuth and integrated features according to UX methodologies

Predicting the Survival of Titanic Passengers | *Python, Scikit-Learn, NumPy, Pandas, Matplotlib*

Mar 2022

- Designed a machine learning model to determine whether a passenger aboard the Titanic ship will survive the shipwreck based on **8 passenger traits**.
- Cross-validated predictions using **8 learning models** with a 98.9% accuracy percentage.