

# Cathie Yan

cyan@uwaterloo.ca | <https://github.com/c4thie>

## education

### University of Waterloo

Expected 2026 | GPA: 3.9/4.0

BCS in Computer Science,  
HCI Specialization

## skills

**Languages:** Python, C/C++, HTML/CSS, Sass, JavaScript, Racket, R, LaTeX

**Technologies:** React.js, Tailwind CSS, Node.js, Redux.js, Express, MongoDB, Flask, SQLite, Firebase, Pandas, NumPy, Matplotlib, Scikit-Learn, Seaborn, Plotly

**Developer Tools:** Git, Visual Studio Code, Jupyter Notebook

**Graphic Tools:** Illustrator, XD, InDesign, Photoshop, Premiere Pro, Figma, Aseprite, Audacity

**(Natural) Languages:** English, French, Mandarin

## experience

### SOFTWARE DEVELOPER

ReliablyME

June 2023 – August 2023

- Led comprehensive product demonstrations to stakeholders based on user research findings.
- Redesigned and refactored the web-based admin console, enhancing productivity for **100+ members**.
- Simultaneously worked on two project teams, playing multiple development roles as a designer, frontend and backend developer, and QA engineer.
- Implemented an advanced AI chatbot feature to perform webapp actions using **OpenAI's GPT-4**.
- Facilitated biweekly check-ins and daily progress update team meetings.
- Proactively addressed collaboration issues, including git version control and repository merging bugs.

### INTERNAL AFFAIRS DEPARTMENT HEAD & ADMIN ASSISTANT

Dawson College Student Union

Dec. 2021 – May 2022

- Managed electronic mail systems and minutes for **7 academic committees**, ensuring timely dissemination.
- Coordinated the activities of **8 cross-functional team members** in the Internal Affairs department.
- Delegated tasks strategically to optimize workflow and achieve objectives.

### SCHEDULING COORDINATOR

Dawson College Campus Events Operations Committee

Nov. 2021 – May 2022

- Organized campus events within a 16-member event planning team.
- Assigned detailed volunteering tasks and created schedules for **270+ student volunteers**.
- Accumulated **120+ hours** of event volunteering, supervising student volunteers and implementing crowd control methods.

## projects

**SpotiPod** | JavaScript, HTML, CSS, Node.js, Express, PostgreSQL, AWS EC2, Nginx, Ubuntu

August 2023

- Developed a Spotify Podcast Browser and web player Chrome extension.
- Integrated Spotify's API for SSO/OAuth and implemented new features to enhance user experience.

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

Mar 2022

- Designed a machine learning model to predict the survival of Titanic passengers based on 8 passenger traits.
- Cross-validated predictions using 8 learning models with a **98.9% accuracy** percentage.
- Determined and visualized the most correlated features with passenger survival using Random Forest Classifier feature importance.