

Catherine Yu

Kirkland, WA | 425-229-0333 | catherine_yu1@brown.edu
[linkedin.com/in/catherinejyu](https://www.linkedin.com/in/catherinejyu) | <https://github.com/catherineyu8>

EDUCATION

Brown University, *B.S. Computer Science*, GPA: 4.0/4.0 Providence, RI | **Expected Graduation May 2026**
Relevant courses: Intro to Software Engineering, Intro to Computer Systems, Applied Cryptography, Data Structures and Algorithms, Functional Programming, Linear Algebra, Statistical Inference

University of Oxford, *Lady Margaret Hall Summer Programme*, GPA: 3.85/4.0 Oxford, England | **Jun. - Aug. 2024**
Relevant courses: AI/ML Theory and Practice, Computer Vision

Tesla STEM High School, GPA: 3.99/4.0, SAT: 1570/1600, ACT: 36/36 Redmond, WA | **2022 Graduation**
National Merit Scholarship Finalist (2021)

SKILLS

Programming Languages: Proficient in Java, Python, ReasonML; Familiar in HTML, CSS, JavaScript/TypeScript, C/C++
Technical Skills: Github, Firebase, REST APIs, React, Node.js, Next.js, Django, PyTorch, Scrum, Microsoft Office Suite

PROJECTS

NECYSC (Python, Django, HTML, CSS, Bootstrap) Oct. 2024 - Present

- Implemented end-to-end functionality for summer camp applications from data modeling to form creation and frontend styling, ensuring seamless user experience and data processing
- Linked and populated summer camp info pages to the navbar, enhancing site accessibility

Study Spot (Firebase, Java, TypeScript, React, CSS) May 2024 - Present

- Designed a website to save and view a user's favorite study locations and features about each location
- Implemented handlers to retrieve and update Firestore data, and built a landing page to display each user's data

Interesect (Java, TypeScript, React, CSS, Firebase) Mar. 2024 - May 2024

- Designed and developed a website recommending new interests based on users' existing interests and similarities
- Researched and queried 3 public **REST APIs** to randomly generate new interests to be presented to users
- Created handlers to edit and retrieve data from the **Firestore database**, utilizing these to display data to the user

COMPUTER SCIENCE EXPERIENCE

Undergraduate TA | *Brown University Dept. of Computer Science* Providence, RI | Sep. 2023 - Present

- Supports 100+ students in an introductory computer science course in functional programming (DrRacket, ReasonML) through weekly labs, office hours, and assignment grading for a combined 10 hours/week
- Engages with students one-on-one to explain fundamental coding concepts and give guidance on projects

Events Chair | *Girls Who Code (Brown University Chapter)* Providence, RI | Sep. 2024 - Present

- Organized 2 social events and an alumni panel at Brown, building an inclusive community for members

VARSITY ATHLETICS EXPERIENCE

Brown University Swimming and Diving, *NCAA Division I Varsity Athlete* Sep. 2022 - Present

- Selected as 1 of 20 athletes for the 2023 and 2024 Ivy Championship Team out of a team of ~35, scoring 93 points in 2024 to contribute to a 4th place team finish and setting a relay school record in the process
- Dedicates over 20 hours/week to training

Bellevue Club Swim Team, **Redmond High School**, *Club & High School Swim Teams* 2009 - 2022

INTERESTS

Interests: Journaling, coffee shops, matcha, sunsets, baking, origami, photography, dance