

Ethan Yang

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EDUCATION

University of Washington

Seattle, WA

Bachelor of Science in Computer Science

Expected Graduation: June 2026

- Related coursework (through Winter 2025): Software Engineering, Software Design & Implementation, Data Structures and Parallelism, Introduction to Algorithms, Systems Programming, The Hardware/Software Interface, Introduction to Data Management
- Honors / Awards: 2022 UW Academy Scholarship, Annual Dean's List (2022-2023, 2023-2024)

Robinson Center for Young and Capable Scholars

Seattle, WA

UW Academy

Expected Graduation: June 2026

- Withdrew from high school at the end of 10th grade to enroll as a freshman at the University of Washington through the Robinson Center, joined by a small cohort of thirty academically advanced and highly motivated students.

EXPERIENCE

Lead Software Developer

October 2022 – Present

UWROV @ UW

Seattle, WA

- Operating weekly team meetings to plan and develop a world-class Remotely Operated Vehicle (ROV) for competition
- Competed and placed within the Top 10 internationally at the MATE ROV World Championship
- Leading the creation of award-winning documentation on Software Infrastructure for onboarding new members
- Overseeing integration of autonomous movement and tracking for ROV control
- Integrated Inertial Measurement Unit/Pressure Sensor for ROV and contributed to Control Core calculation

Extern

July 2022

Amazon Career Launch206 Externship

Seattle, WA

- Participated in design challenge based around the usage of microcomputers
- Worked on projects relating to cloud computing and the Internet of Things (IoT)
- Attended Amazon culture presentations and workshops for technical and soft skills

PROJECTS

Commitment Issues | *OpenAI API, Python, TypeScript*

September 2024 – December 2024

- Developed a CLI in order to generate commit messages to GitHub utilizing OpenAI API
- Created prototype VS Code extension to interface with CLI tool
- Worked alongside a small team throughout the entire Software Development Cycle, contributing heavily to documentation and testing
- Utilized GitHub Actions to maintain Continuous Integration and Testing
- Fine-tuned responses with focused prompt-engineering and custom categorization of commit change type/impact area

Personal Website | *HTML, CSS*

December 2024 - Present

- Developed personal website to showcase personal experience and projects
- Deployed the website to GitHub Pages, integrating version control with Git for efficient project management
- Incorporated interactive elements such as navigation menus, hover effects, and animations to enhance user experience

TECHNICAL SKILLS

Languages: Java, Python, C, SQL, JavaScript, TypeScript, HTML/CSS

Frameworks: PyTest, JUnit, React, Node.js

Developer Tools: Git, GitHub Actions, VS Code, Visual Studio, IntelliJ, LaTeX