

# Dylan Liu

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## EDUCATION

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### Oregon State University

*Bachelor of Science in Computer Science, Minor in Japanese*

Corvallis, OR

*Sept. 2022 – expected June 2026*

## EXPERIENCE

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### Undergraduate Research Assistant

*Oregon State University*

Apr. 2023 – Present

*Corvallis, Oregon*

- Implemented innovative research techniques, piloting and incorporating suggestions to enhance efficiency and meet challenging deadlines
- Led a project to design and deploy an interactive and user-friendly website for the research team, utilizing HTML and CSS to ensure seamless functionality and aesthetic appeal
- Collaborated effectively with research leaders, advisors, and professors across 5 distinct projects to ensure alignment with academic standards and project objectives
- Contributed to 2 academic research papers

### Retail Associate

*Vans*

June 2023 – Sept. 2023

*Tigard, OR*

- Exceeded sales goals by 10% by building strong relationships and providing exceptional customer service
- Organized and sorted over 75 products per shift in compliance to company safety regulations
- Maintained high standards of customer service in a high-octane working environment
- Consolidated relationships and interfaced with around 50 customers per shift to build out sales

## PROJECTS

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### Spotify Harmonize | *Spotify Web API, Typescript, Vite, React, Node.js, HTML, CSS*

Jan. 2023 – Present

- Developed a full-stack web application using Vite with React as the frontend
- Implemented Spotify OAuth to get song data from user's playlists
- Implemented PKCE workflow to enhance security and prevent authorization code interception
- Leveraged React hooks and state management techniques to efficiently manage application state and data flow within the frontend

### EPICLab Research Website | *JavaScript, HTML, CSS, Git*

Sept. 2023 – Jan. 2024

- Designed and implemented a visually engaging website inspired by its predecessor, focusing on providing users with a seamless browsing experience hosted entirely on Git Pages
- Gathered feedback from researchers to refine website design and functionality, prioritizing a user-centric approach to navigation and content presentation
- Designed and integrated HTML, CSS, and JavaScript to create responsive and intuitive user interfaces, ensuring optimal usability across various devices and screen sizes
- Led a team of research assistants and implemented a structured workflow using Git to establish a divide-and-conquer system for efficient project management and collaboration

## PUBLICATIONS

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### The Triumphs and Trials of Generative AI in Learning Software Engineering

Jan. 2024

*ACM 46th International Conference on Software Engineering*

- Evaluates the efficacy of ChatGPT, a conversational Generative AI platform, in supporting students in Software Engineering tasks through a between-subjects study (N=22)

## TECHNICAL SKILLS

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**Languages:** C/C++, HTML/CSS, JavaScript/TypeScript, Makefile, Bash

**Frameworks:** React, Node.js, Express

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

**Spoken Languages:** English, Japanese, Mandarin Chinese