

Zhi Yang (Jason) Lim

(206) - 226 - 7489 | [zylim1128.github.io](https://github.com/zylim1128) | zylim@uw.edu | [in/lim-zhiyang](https://in.lim-zhiyang.com)

EDUCATION

University of Washington, Seattle / MS Computer Science

Exp Grad: December 2025

Courses: Deep Learning, Computer Vision, Databases Systems, Natural Language Processing

University of Washington, Seattle / BS Computer Science - GPA 3.89

Courses: Machine Learning, Distributed Systems, Operating Systems, Data Structure, Algorithms, Networking

Award: Bob Bandes Memorial Teaching Award (Honorable Mention)

Scholarships: Mary Gates Leadership Scholarship, Jerry Noe Merit Scholarship (CSE department)

PROFESSIONAL EXPERIENCE

UW CIRCLE / Software Engineer Lead

June 2024 - October 2024

- Led the development of a **React.js** web app, create a centralized platform for real-time university updates and resources, benefiting over **5,000** international students
- Reduced the international student visa termination rate by **80%** through communication and resource accessibility

Spark / Software Engineer Intern

July 2023 - Aug 2023

- Built a website from scratch within a 10-week timeline for a non-profit organization, creating a secure and user-friendly platform using **React.js** and **AWS Amplify**
- Developed databases from the ground up, establishing a system to manage user data and support operational workflows

UW CSE Head Teaching Assistant / Data Structure, Stats & Probability

June 2023 - Present

- Delivered guest lectures and facilitated weekly interactive sessions for 30+ students
- Led review sessions during office hours, addressing problem set questions for 50+ students weekly
- Taught and mentored over **1,000** students across **7+** quarters, earning an Honorable Mention for the prestigious Bob Bandes Award for excellence in teaching

UW CSE Research Assistant / RAIVN Lab

June 2024 - Present

- Built a bot to handle web scraping, request summarization, and model testing by processing inputs and generating output responses for image-editing tasks
- Developed and evaluated a machine learning model for image editing using REALEDIT; co-authored a paper currently under review for **CVPR 2025**

PROJECTS

[Detoxify](#) | Open Source AI Hackathon Winner

June 2024

- Developed an AI application with Meta Llama3 70b LLM, **Flask**, and **LangChain** to classify gaming chat toxicity
- Fine-tuned the LLM to optimize classification speed, reducing response time from 5 seconds to 0.5 seconds, enabling near real-time toxic behavior detection.

[YouTube Channel](#) - @LeetcodeDailyGrind

July 2024 - Present

- Create daily YouTube videos simplifying LeetCode solutions in **Python** for beginners; over 60 videos posted

Distributed System Lab

Mar 2024 - June 2024

- Implemented a sharded key-value store with multi-key updates using multi-slot Paxos algorithm in **Java**

Flight App

Mar 2023 - June 2023

- Developed a flight application with a **SQL database** hosted on **Azure** and implemented the backend using **Java**

TECHNICAL SKILLS

- **Languages** : Python, Java, JavaScript/TypeScript, C/C++, SQL
- **Tools/Frameworks** : Git, Jira, HTML/CSS, React.js, React Native, Node.js, GraphQL, AWS Amplify, Azure