

ZHI YANG LIM

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EDUCATION:

University of Washington, Seattle

Master of Science: Computer Science

Exp.Grad: Dec 2025

Bachelor of Science: Computer Science / Dean's List, GPA: [3.89]

Sept 2021 - Dec 2024

Mary Gates Leadership Scholar, Bob Bandes Memorial Teaching Award (Honorable Mention)

- **Relevant Courseworks:** Machine Learning, Distributed Systems, Operating Systems, Computer Security, Data Structure and Algorithms, Software Design and Implementation, System Programming, Databases
- **Certifications:** Intermediate Cybersecurity (Codepath)

PROFESSIONAL EXPERIENCE:

Paul G. Allen School of Computer Science & Engineering, UW

Seattle, WA

Undergraduate Teaching Assistant (CSE 312) Honorable Mention Teaching Award

June 2023 - Present

- Conducted weekly interactive sessions for 30 students, deepening their understanding of core topics through engaging lectures and hands-on exercises.
- Led comprehensive review sessions during office hours, addressing questions from problem sets for over 50 students weekly.

Spark Internship Program

Seattle, WA

Software Engineer Intern

July 2023 - Aug 2023

- Developed a **dynamic website** from ground up using **React**, **AWS Amplify**, and **GraphQL** within a 5-week timeframe.
- Collaborated effectively with **cross-functional teams**, including Product Managers and UI/UX Designers, to integrate the login feature and the frontend of the home page.
- Executed comprehensive integration and system testing, ensuring robust functionality and a seamless user experience.

RESEARCH EXPERIENCE:

Paul G. Allen School of Computer Science & Engineering, UW

Seattle, WA

Undergraduate Researcher, Security and Privacy Lab UW

Jan 2024 - June 2024

- **Research Project:** Investigating Security and Privacy Practices in Childcare Apps.
- Evaluated the effectiveness of security measures implemented in childcare apps, including encryption protocols, data storage practices, and authentication mechanisms using **MobSF** for static and **HTTP toolkit** for dynamic analysis.

PROJECT:

UW CIRCLE Web Application

June 2023 - Present

Mary Gates Leadership Scholarship

- Spearheaded the development of the UW CIRCLE web app, leveraging **React** to offer a comprehensive news and events platform, significantly boosting student engagement and campus connectivity.
- Innovated a **centralized information hub**, facilitating real-time access to university updates and archival recordings for the student body, enhancing the educational community experience.

Detoxify | Open Source AI Hackathon #6

June 2024

Winner of the Experimental Track

- Developed an AI application using Meta Llama3 70b instruct LLM for toxicity classification in gaming chat.
- Utilized **Flask**, **LangChain/OctoAI**, **Python**, and **HTML** to filter harmful language while preserving positive interactions.

Nicebreakers

Jan 2024 - March 2024

- Developed a web application using **React**, **AWS Amplify**, and **GraphQL**, serving as a hub for icebreaker activities.
- Implemented an Admin page and report functionality to moderate user-generated content and manage activity logs effectively.

DubWalks | DubHacks 23'

October 2023

- Developed a **React Native** MVP app to connect UW students for safe walks home, enhancing campus safety and community engagement.

TECHNICAL SKILLS:

- Java, Python, JavaScript, SQL, C, C++, GraphQL, Node.js, Git, JUnit, API, AWS Amplify, Microsoft Azure, Wireshark, Splunk