

ZHI YANG LIM

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EDUCATION:

University of Washington, Seattle

September 2021 - June 2025

Bachelor of Science: Computer Science

Dean's List, GPA: [3.90]

- **Relevant Courseworks:** Data Structure and Algorithms, System Programming, Intro to Data Management, Software Design and Implementation, Discrete Math and Probability Theory, Hardware/Software Interface, Operating Systems, Computer Security, Machine Learning, Software Engineering
- **In Progress*/Intended Courseworks:** Distributed Systems*, Autonomous Robotics, Networks, Data Center Systems

PROFESSIONAL EXPERIENCE:

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

Seattle, WA

Undergraduate Teaching Assistant (CSE 312)

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.

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

Seattle, WA

Undergraduate Researcher, Security and Privacy Lab UW

Jan 2024 - Present

- **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 & dynamic analysis.

UW CIRCLE Mobile Application

Seattle, WA

Software Engineer Lead

June 2023 - Present

- **Spearheaded the development** of the UW CIRCLE mobile app, leveraging React Native 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.

Spark

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 deliver a high-quality product, demonstrating strong teamwork and communication skills.
- Executed comprehensive integration and system testing, ensuring robust functionality and a seamless user experience.

PROJECT:

[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.

333gle Search Engine(Mini Google) | *Class Project*

Mar 2023 - June 2023

- Built a **C/C++** search engine optimizing data retrieval with hash tables, prioritizing security through advanced POSIX file/network I/O management.

[Aidhere](#) | *DubHacks 22'*

October 2022

- Implemented a **React Native** MVP mobile application that helps people in emergency to seek help from nearby certified first responders during DubHacks.

UW Campus Pathfinder | *Class Project*

Mar 2022 - June 2022

- Implemented a directed graph with Dijkstra's algorithms to calculate the most efficient routes between campus buildings.
- Developed a **full-stack web application** and utilized **React** to design the GUI and enhance navigation efficiency

TECHNICAL SKILLS:

- **Languages:** Java(proficient), JavaScript, C, C++, Python, SQL, TypeScript, GraphQL
- **Tools/Frameworks:** Git, HTML/CSS, React.js, React Native, Node.js, VS Code, IntelliJ, JUnit, Google Suite, Material UI, JIRA, API, AWS Amplify, Microsoft Azure
- **Operating Systems:** Windows, Mac, Linux