

Jun Shern Lim

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EDUCATION

Purdue University

West Lafayette, IN

Bachelor of Science in Computer Science

May 2024

- CGPA 4.0/4.0, Graduated with Highest Distinction
- Relevant Coursework: Operating Systems, Data Structures, Algorithmic Analysis, Systems Programming, Information Systems, Computer Architecture, Discrete Math, Differential Equations, Linear Algebra

SKILLS

Programming: Java, C/C++, Python, JavaScript, React, Node, Express, SQL, Bash, MATLAB, HTML, CSS

Technologies: Linux, MySQL, MongoDB, Git, Atlassian, Digital Ocean

PROFESSIONAL EXPERIENCE

Hewlett Packard Enterprise

San Jose, CA

Junior Software Engineer || Tech Stack: Java, JavaScript, React, Node, MySQL, Bash

Jul 2024 - Present

- Led a system-wide project to improve the scalability of HPE's SDWAN Orchestrator, increasing the number of network nodes supported by over 100%
- Served as the key engineer in handling performance and slowness issues within the Orchestrator
- Hosted MySQL and systems training sessions for support staff across US and APAC, equipping them with skills to debug customer issues, reducing escalations to engineering
- Migrated several key features of the Orchestrator, including Role-Based Access Control and Overlay Configurations, to React, helping the org showcase its new rebranding at HPE's 2025 keynote event.

Software Engineering Intern || Tech Stack: Java, JavaScript, MySQL

May 2023 – Aug 2023

- Engineered a customer-facing debugging utility that intercepts and streams selected server logs to the user interface in real-time, allowing for more productive debugging and customer escalation sessions
- Built a full-stack tool to dynamically modify the severity level of logs targeting individual features in the sever, enabling long-term log monitoring without overloading server storage
- Implemented robust logging for incoming HTTP requests, allowing engineers to identify web clients causing internal server errors

Purdue University, Elmore Family School of Electrical and Computer Engineering

West Lafayette, IN

Undergraduate Teaching Assistant – ECE36800 Data Structures in C

Aug 2022 – May 2024

- Revised course content and conducted code reviews, helping 150+ students with core DSA concepts each semester

PROJECTS

System Monitor

West Lafayette, IN

Tech Stack: C & Makefile

Nov 2023 – Dec 2023

- Designed and built a process tree data structure for Linux systems to monitor and interact with running processes
- Developed a monitor for process memory maps, file system mount points, and inbound & outbound network traffic

Custom Linux Shell

West Lafayette, IN

Tech Stack: C & Makefile

Sep 2023 – Nov 2023

- Implemented many key features of a modern Linux shell, including executing commands, piping, signal handling, file redirections, quoting, wildcarding, shell history, and subshells

File Compression/Decompression Software

West Lafayette, IN

Tech Stack: C & Makefile

Jun 2022 – Jul 2022

- Engineered a Huffman Coding based compression/decompression software with a compression ratio of up to 50%

ACTIVITIES & AWARDS

Purdue Varsity Men's Crew (ACRA – All Academic First Team)

Jan 2021 – Aug 2022

HackIllinois 2022 at The University of Illinois Urbana-Champaign – Participant

Feb 2022

AT&T 5G Indianapolis Hackathon – Finalist & Honourable Mention

Oct 2021