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, Dean's List & Semester Honours for 6 semesters
- *Relevant Coursework: Data Structures, Algorithmic Analysis, Discrete Math, Software Engineering, Information Systems, Computer Architecture, Electrical Engineering Fundamentals, Differential Equations, Linear Algebra*

SKILLS

Coding: Java, C, Python, JavaScript (React, Angular, JQuery, Knockout, Node, Express), HTML, CSS, SQL (MySQL, PostgreSQL, SQLite), NoSQL (MongoDB), Bash, MATLAB

Technologies: Git, Atlassian (Jira, Confluence, Bitbucket), Heroku, Firebase

Proficiencies: Rest APIs, Websockets, Software Development Life Cycle, Agile, Scrum, Server-Side Logging

PROFESSIONAL EXPERIENCE

Hewlett Packard Enterprise **San Jose, CA**

Software Engineering Intern || Tech Stack: Java, JavaScript (JQuery, Knockout), HTML, CSS 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 processes in the sever, enabling long-term log monitoring without overloading server storage
- Implemented a feature to detect and log all 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 Aug 2022 – Present

- Revised course content and conducted code reviews, helping 150+ students each semester

Undergraduate Teaching Assistant – ECE20001 Electrical Engineering Fundamentals I Jan 2022 – May 2022

- Mentored 200+ students on linear & first order circuit analysis

PROJECTS

Itembnb Jan 2023 – May 2023

Tech Stack: MongoDB, Express, React, Node || GitHub: https://github.com/Jun0610/Itembnb

- Designed and developed a peer-to-peer item-sharing website
- Created REST APIs to support frontend functionalities resulting in streamlined scrum sprints
- Implemented item reservation, progress tracking, search, sort, filter and categorizing functionalities

Streaming Service Database Sep 2022 – Dec 2022

Tech Stack: Django, MySQL, HTML, CSS || GitHub: https://github.com/meghnakr/Streaming-Database

- Developed a web client that aims to emulate how streaming services manage metadata of media items
- Designed MySQL stored procedures to automate linking various metadata items in the relational database
- Created ACID (atomicity, consistency, isolation, durability) transactions to allow concurrent processing of media metadata without affecting data integrity

File Compression/Decompression Software Jun 2022 – Jul 2022

Tech Stack: C & Makefile || GitHub: https://github.com/Jun0610/text-compression-decompression

- Developed a terminal-based file compression software with a compression range of 10%-50% utilizing the concepts of Huffman Coding
- Automated software compilation using Makefile, expediting the process of generating an executable

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

Purdue Investment and Trading Club Jan 2021 – May 2021