

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

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

Concepts: Rest APIs, Websockets, Software Development Life Cycle, Agile, Scrum, Server-Side Logging, Data Structures, Algorithmic Analysis, Information Systems, Computer Architecture, EE Fundamentals

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 streams selected server logs to the user interface in real-time, allowing for more productive debugging and customer escalation sessions
- Built a feature to dynamically modify the severity level of logs for individual processes in the sever, enabling long-term log monitoring whilst minimizing server storage
- Implemented a filter 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>

- An item-sharing website that allows users to lend and borrow everyday items for a price
- Designed a MongoDB schema which served as the reference point of the app's development and allowed for further incremental development following scrum methodologies
- Created REST APIs to support frontend functionalities including reserving items, creating user accounts, making item posts, etc, resulting in streamlined and successful scrum sprints
- Implemented features to search, sort, filter and categorize item posts to enhance user experience
- Built an item progress tracker to keep users updated on the status of items they have borrowed/lent

Streaming Service Database

Sep 2022 – Dec 2022

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

- A web client that aims to emulate how streaming services manage metadata of media items
- Designed MySQL store producers that run automatically when media items are added to the app, ensuring data across all tables is consistent and accurate
- Created ACID transactions with appropriate isolation levels to allow concurrent processing of media metadata in the database 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 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