JAEHEE JUNG

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EDUCATION

Bachelor of Science (B.S.) in Computer Science

California State University - Sacramento, CA

GPA: 3.9; Dean's List: Spring 2024 - Present

Relevant Coursework: Computer Software Engineering, Database Management Systems, Data Structures & Algorithm

Analysis, Number Theory, Computer Organization

Sierra College, Rocklin, CA

GPA: 3.9; President's Honor Roll: Fall 2020 - Fall 2023

Relevant Coursework: System Programming with C, Introduction to Unix/Linux

TECHNICAL SKILLS

C, C++, Python, Java, Perl, FastAPI, GitHub, Docker, MySQL, SQLite, SQL, UNIX, Linux

PROJECT EXPERIENCE

Dockerized CRUD Application

November 2024 - Current

Graduated: Dec 2023

Expected Graduation: Dec 2025

- Created a user-friendly web application that lets people organize data by adding, viewing, editing, or deleting information, using FastAPI to handle the behind-the-scenes processing and MySQL to store the data.
- Packaged the application into a portable format using Docker, so it can run seamlessly on any computer without extra setup.
- Made it easier to update and fix the application by organizing it into containers, reducing technical issues during deployment.

Text Embedding-Based Item Recommendation

July 2024

- Designed a system that suggests items to users by understanding the meaning of product descriptions, using OpenAI's tools and Pinecone to organize the data.
- Built a smooth connection between the system and users with FastAPI for behind-the-scenes processing and React for a user-friendly interface.
- Teamed up with members on GitHub to organize project files and conduct extensive testing for system functionality.
- Delivered a functional prototype that demonstrated the potential of advanced algorithms to enhance user experiences.

Binary Search Tree Implementation

April 2024

- Developed a binary search tree data structure in C++ to efficiently store and retrieve data using a custom node class.
- Implemented core functionalities including adding, searching, and traversing nodes in multiple orders (e.g., in-order traversal).
- Added an ASCII art visualization of the tree to aid in debugging and educational demonstrations.

Budgeting App

November 2023

- Co-developed a budgeting app to help users easily track their spending and manage their accounts.
- Used BASH to allow users to input their transactions, SQLite to store the data securely, and Python to process and organize the information.
- Improved the app's usability by automating transaction tracking and creating clear, easy-to-understand summaries.

WORK & EXTRACURRICULAR ACTIVITIES

Society of Hispanic Professional Engineers (SHPE)

January 2024 - Current

- Participated in a hackathon, gaining hands-on experience in problem-solving and teamwork.
- Attended networking events to connect with industry professionals and gain insights into computer science careers.

Warehouse Associate, Coupang, South Korea

January 2021 – August 2023

- Operated conveyor belt systems to sort packages accurately and transported inventory to designated locations.
- Ensured workplace safety by adhering to strict safety protocols.

Convenience Store Clerk, 7-Eleven, South Korea

February 2020 - August 2020

- Balanced daily cash registers and maintained organized inventory for smooth operations.
- Delivered excellent customer service and oversaw promotional pricing compliance.