**JAEHEE JUNG**

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### **EDUCATION**

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

**California State University - Sacramento, CA Expected Graduation: Dec 2025**

**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 Graduated: Dec 2023**

**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**

* 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.