JAEHEE JUNG

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Computer Science student with strong foundations in algorithms, and data structures. Have a keen interest in AI, data, and software engineering. Seeking an entry-level internship to apply technical skills and gain hands-on experience in a professional environment.

EDUCATION

California State University, Sacramento, CA
Bachelor of Science (B.S.) in Computer Science | Expected Graduation: Dec 2025
- GPA: 3.9
- Relevant Coursework: Data Structures & Algorithm Analysis, Number Theory, Computer Software Engineering, Database Management Systems
- Honors: Dean's List (Spring 2024 - Present)

Sierra College, Rocklin, CA
Associate of Science (A.S.) in Natural Science | Graduated: Dec 2023
- GPA: 3.9
- Relevant Coursework: System Programming with C, Introduction to Unix/Linux
- Honors: President's Honor Roll (Fall 2020 - Fall 2023)

TECHNICAL SKILLS

- **Programming Languages**: C, C++, Java, Python, Perl
- **Tools & Technologies**: GitHub, Docker, FastAPI
- **Databases**: SQLite, SQL, MySQL
- **Operating Systems**: UNIX, Linux

PROJECT EXPERIENCE

Dockerized CRUD Application
- Developing a CRUD application using FastAPI for backend API development, MySQL for database management, and Docker for containerization to ensure scalability and ease of deployment. The project focuses on implementing fundamental Create, Read, Update, and Delete operations with a RESTful architecture.

AI Feed Generator with Fediverse Integration
- Collaborated with a team to develop an AI-powered feed generator utilizing the Fediverse network. The system generates personalized content feeds by integrating AI models for content recommendations and ensuring interoperability across decentralized platforms.

Text Embedding-Based Item Recommendation
- Developed an item recommendation system utilizing sentence embedding and cosine similarity, leveraging OpenAI's Embedding API and Pinecone for vector storage, with a front-end implemented in React and an API server built using FastAPI.
- Collaborated with three teammates on a project for the TikTok TechJam, focusing on managing GitHub repositories and conducting comprehensive testing.
- Gained a basic understanding of version control practices, web architecture, and the fundamentals of natural language processing (NLP) and embedding technology.

Binary Search Tree
- Created a binary search tree data structure with C++ using a node class. Developed functionalities for adding/searching nodes, and traversing the tree in order or as an ASCII art tree.

Budgeting App
- Co-developed a budgeting app using BASH for frontend input and SQLite for database, with features for transaction tracking and profile management. Integrated PERL for input handling and Python for data processing.

EXTRACURRICULAR ACTIVITIES

Tau Sigma National Honor Society
- Member since September 2024, recognized for academic excellence as a transferred student.

Sierra College Computer Science Club, ACM (CSUS), SHPE
- Participated in computer science competitions, gaining hands-on problem-solving experience.