**JAEHEE JUNG**Sacramento, CA | (916) 622-9634 | jjung1469@gmail.com  
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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: 3.8
* Relevant Coursework: Data Structures & Algorithm Analysis, Number Theory
* 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
* **Databases**: SQLite, SQL
* **Operating Systems**: UNIX, Linux

### **PROJECT EXPERIENCE**

**Text Embedding-Based Item Recommendation***Advanced Software Development and API Integration*

* 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**

*Data Structures and Algorithm Implementation*

*Course: Data Structure and Algorithm Analysis, Spring 2024, Sacramento State University*

* 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**

*Database Systems and Multi-Language Programming*

*Course: Introduction to Unix/Linux, Fall 2023, Sierra College*

* 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**

**Computer Science Club, Sierra College**

* Participated in computer science competitions, gaining hands-on problem-solving experience.

**Tau Sigma National Honor Society**

* Member since September 2024, recognized for academic excellence.