

# 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.

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## 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)

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## TECHNICAL SKILLS

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

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## 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.

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## 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 as a transferred student.

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## WORK EXPERIENCE

### Convenience Store Clerk

*7-Eleven Stores, Daejeon, South Korea*

*Feb 2020 - Aug 2020 | Part-time*

- Ensured accurate end-of-day cash register balancing, maintaining financial accuracy.

- Managed and organized store inventory to optimize availability and streamline operations.
- Delivered customer service, assisting inquiries and resolving issues to enhance customer satisfaction.
- Updated and maintained shelf pricing for accuracy and promotional compliance.