

JAEHEE JUNG

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EDUCATION

Bachelor of Science in Computer Science/Minor in Geographic Information Science (GIS)

California State University - Sacramento | Sacramento, CA

May 2026

- **Dean's Honor List:** Spring 2024 - Fall 2024, GPA: 3.345
- Relevant Coursework: Database Management Systems, Computer Software Engineering, Data Structures & Algorithms, Computer Organization, Object-Oriented Computer Graphics Programming, Probability & Statistics

Associate of Science in Natural Science (Computer Science Focus)

Sierra College | Rocklin, CA

Dec 2023

- **President's Honor Roll:** Spring 2023 - Fall 2023, GPA: 3.91
- Relevant Coursework: Introduction to Unix/Linux, System Programming with C

SKILLS AND TOOLS

■ Technical: Java, Python, SQL (MySQL, SQLite), Git/Github, FastAPI, Linux/Unix, Agile, Jira, Docker, Bash
■ Microsoft Tools: Excel, Word, PowerPoint, Visual Studio IDE, Teams, Outlook

PROJECT EXPERIENCE

Dockerized CRUD Application | Web Development/Database Management

November 2024 - Current

- Developed a web application prototype using FastAPI, MySQL, and Docker for data management and cross-platform deployment
- Replaced the PHP architecture with the Python FastAPI framework to reduce development complexity and improve code maintainability

Pickleball Go | Startup Challenge & Product Development

March 2025

- Contributed to a 6-person team, primarily composed of experienced business professionals, in a 3-day startup challenge, developing a Pickleball matching application prototype and designing user interfaces (UI) in Figma
- Gained practical experience in data-driven business planning and customer validation, leveraging insights from 60 customer surveys and 5 iterations to identify market needs and secure 20 beta sign-ups

AI Sleep Recommendation | Hornet Hack Data Science/Machine Learning Project

March 2025

- Led a 6-person team at Sacramento State University's 7-day Hornet Hack event to develop a linear regression model prototype for a lightweight sleep health prediction application, utilizing Python and a Kaggle dataset
- Conducted comprehensive data analysis and model evaluation, achieving an R^2 score of 0.97 (high accuracy) and an average prediction error (MAE) of 0.18, demonstrating robust predictive modeling skills

Text Embedding-Based Item Recommendation | TikTok Hackathon AI Project

July 2024

- Supported a 4-member development team for 7 days, building a text-based recommendation prototype using OpenAI embeddings and Pinecone vector database with cosine similarity algorithms to analyze product data and match similar items
- Created the GitHub repository, wrote setup documentation, and managed code integration, enabling streamlined team communication and testing processes

Binary Search Tree Implementation | Data Structures

April 2024

- Developed a tree-based data structure for 1 month in C++ using Object-Oriented Programming and custom node classes to automatically sort and organize data in a tree format for efficient searching
- Conducted performance testing comparing tree search versus linear search methods, achieving 5 times faster data retrieval while implementing ASCII tree visualization for debugging and analysis

Budgeting App | Data Management & Automation

November 2023

- Collaborated with 2 teammates for 1 month to implement a budgeting application on Linux, utilizing BASH for transaction input, SQLite for secure data storage, and Python for efficient information processing and organization, and maintained internal team documentation after each stage
- Automated data organization workflows to enhance the app's usability and created clear, user-friendly summaries, showcasing solid data management and reporting capabilities

WORK & LEADERSHIP EXPERIENCE

Events Committee Member, Society of Hispanic Professional Engineers | Sacramento, CA

February 2025 - Current

- Ensured alignment of event plans and tasks, and supported cross-functional teamwork by communicating promptly and professionally with team members and officers

Warehouse Associate (Temporary), Coupang Fulfillment Center | South Korea

May 2021 - Dec 2023

- Met daily quotas and maintained a safe, clean warehouse by processing 200+ items and sorting 1,000+ packages daily, earning a reputation for accuracy through teamwork, perseverance, and hard work

Convenience Store Clerk, 7-Eleven | South Korea

February 2020 - August 2020

- Drove positive feedback with high-quality customer service, running solo shifts to serve 35+ customers, handle POS, maintain a clean and stocked store, and use clear oral communication at handovers