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   Dec 2026
- **Dean's Honor List**: Spring 2024 - Fall 2024, GPA: 3.345
- Relevant Coursework: Geographic Information Systems, Database Management Systems, Probability & Statistics, Computer Software Engineering, Data Structures & Algorithms, Advanced Computer Organization

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: GIS/ArcGIS, Python, SQL (MySQL, SQLite), Git/Github, Linux/Unix, Bash, C++, Java, Docker, OOP
- ■Certifications: Microsoft Certified: Azure Fundamentals (AZ-900)
- ■Microsoft Tools: Power BI, Teams, Excel, Word, PowerPoint, Outlook, Visual Studio IDE

PROJECT EXPERIENCE

Dan's Computer Repair | *Senior Project & Web Development*   September 2025 - Current
- Architected a full-stack web application for a local business in collaboration with a 7-member team, using React (Next.js), HTML, CSS, and JavaScript, while employing Agile methodologies with Jira and GitHub for project management.
- Achieved top-tier project recognition among 28 teams by delivering a high-quality MVP that earned positive feedback from both the client and professor, who noted the team was "doing better as a whole."

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

Sacramento County Property Tax Revenue Analysis | GIS/Business Intelligence   December 2025
- Analyzed 64 residential properties using ArcGIS Pro to map geographic patterns and create spatial distribution surfaces across Sacramento County
- Built an interactive Power BI dashboard identifying concentration patterns with the top 20% of properties, receiving "high quality answer" recognition from the professor

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 data analysis and model validation with scikit-learn, 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 team, 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

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

Sustainability Volunteer, Sac State Sustainability | Sacramento, CA   September 2025 - November 2025
- Contribute as a team member to environmental restoration and community engagement through collaborative garden maintenance at BAC Yard and Cap Radio Garden, supporting campus sustainability initiatives

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