Ji Soo Kim

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Education

San Jose State University   Expected May 2025
College of Science | Bachelor of Science in Computer Science | Minor in Business | President's Scholar   GPA 3.7
Coursework: Intro to Data Visualization, Server-side Web Programming, Information Security, Data Structures & Algorithms, Database Management Systems, Object-Oriented Design, Operating System, Programming Paradigms, Machine Learning, Fundamentals of Management, Processing Big Data, Financial Accounting

Projects

Cluster-Based Unsupervised Learning   April 2024 - May 2024
Front-End and Back-End Developer, XAMPP, PHP, MySQL, K-Means, Expectation Maximization, HTML/CSS/JavaScript
- Developed full-stack web application with XAMPP, allowing users to train unsupervised machine learning models, upload datasets, and visualize clustering results in a responsive dashboard, implementing K-Means and Expectation Maximization algorithms in PHP
- Established secure user sessions and authentication with password hashing and protection against session hijacking and fixation
- Integrated MySQL database to store user accounts, trained models, and clustering parameters

SJSU Course Planner Project GitHub Project   April 2023 - May 2023
Front-End Developer, Java
- Developed user-friendly interface for the home, admin, and student pages, enabling each role to perform their designated tasks efficiently
- Implemented a secure login and signup system with stringent username and password criteria, ensuring the storage of user data
- Enhanced the visual appeal of the course planner by importing and integrating logos and images

Car Dealership Project GitHub Project   March 2023 - May 2023
Front-End Developer, Java & SQLite
- Utilized SQLite as the database management system, integrating it with Java Swing to develop graphical user interface
- Developed a reliable login and signup system, ensuring smooth functionality for both workers and customers
- Implemented industry standard database management system regulations and executed the logical and physical design of the project, incorporating normalization techniques

SJSU Theta Tau Technical Project GitHub Project
Front-End Developer, Javascript   March 2022 - April 2022
- Developed a mobile React Native application with total of 15 people that enables users to access garage occupancy data from Google Firebase
- Directed mock-up designs through Figma, ensuring an user-friendly interface
- Implemented and stylized pages using CSS and created functionality with JavaScript with 4 other front-end members

Google Computer Science Summer Institute (CSSI)
Software Developer Intern, Javascript   July 2021 - August 2021
- Launched a four week project based JavaScript Processing Curriculum taught by Google Engineers and College Faculty
- Leveraged expertise in Node.js, p5.js libraries and full stack web development by designing and developing weekly projects with teams of 2-5 members
- Demonstrated proficiency in executing clean, efficient, and user-friendly code, gaining valuable experience in developing functional and intuitive software

Leaderships

SJSU Theta Tau Spring 2021 - Engineering Fraternity   **San Jose, CA**
Vice President | Scribe   January 2023 - May 2023
- Diligently documented comprehensive minutes and decisions during 3 weekly meetings over 16 weeks
- Assisted with administrative tasks, contributing to efficient workflow and smooth operations of the fundraising committee of the fraternity by raising about $1,500
- Organized 6 professional development workshops, partnered with working industry professionals to provide real-world engagement opportunities for fraternity members

Society of Women Engineers   **San Jose, CA**
Outreach Chair   September 2022 - May 2023
- Engaged current engineering students with high school by proficiently organizing and coordinating events, such as the College Insight Panel
- Collaborated with 3 other outreach members, 14 board directors, other committees to devise innovative outreach efforts and provide improvements to existing outreach program

Skills

- **Frameworks:** Google Sheet, Microsoft 365, Audio Visual/Video Tech, Fusion, Figma, Github, Eclipse, SQlite, MIPs, JUnit, Google Collab, MongoDB, React Native
- **Languages**: Java, Javascript, SQL, C, C++, Python, PHP, HTML, XAMPP, CSS