JEANNIE JIANG

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EDUCATION

University of Southern California, Viterbi School of Engineering   Los Angeles, CA
M.S. Computer Science   August 2025
Relevant Coursework: Analysis of Algorithms, Database Systems, Web Technologies

University of Southern California, Viterbi School of Engineering   Los Angeles, CA
B.S. Computer Science and Business Administration   May 2024
Relevant Coursework: Data Structures and Object Oriented Design, Principles of Software Development, Software Engineering, Introduction to Artificial Intelligence, Capstone: Design and Construction of Large Software Systems

WORK EXPERIENCE

First Solar Inc.   May 2024 - August 2024
Software and Database Development Intern
- Spearheaded the design and development of RedPL software using C# and .NET Framework for automated data acquisition from a Thorlabs spectrometer, streamlining measurement processes for solar coupons
- Created an intuitive user interface with comprehensive parameter checking and error handling, ensuring accurate data capture and improved user experience
- Built a robust data reporting system that normalizes, plots, and exports spectral data to local CSV files and SQL databases for real-time analysis and reporting

Marshall Behavioral Research Lab   March 2022 - May 2024
Research Assistant
- Assist Ph.D. students and professors by maintaining correspondence with participants and executing ongoing curriculum wide research studies related to behavioral marketing in controlled experimental settings
- Code raw data for research studies via Excel, and worked with staff members and Ph.D. students to assemble research results and discount incomplete or inaccurate data

USC Viterbi School of Engineering   August 2022 - December 2023
Teaching Assistant for ITP 265 (Object Oriented Programming)
- Host weekly office hours, helping students troubleshoot code bugs and enforcing industry-standard coding practices
- Organized and led pre-exam reviews for 40+ students

PROJECTS

Weather Search Application
Developer - Angular, Node.js, Bootstrap, MongoDB Atlas, Tomorrow.io API, Google Maps API, Highcharts, Responsive Web Design
- Developed a responsive web application to display weather data using Tomorrow.io API and Google Maps API, with dynamic charts and interactive tabs for detailed forecasts
- Built a Node.js backend and integrated MongoDB Atlas for cloud-based storage of user favorites, ensuring data persistence across sessions
- Deployed the application on Google Cloud Platform (GCP) with seamless desktop and mobile responsiveness

Let's Go Camping
Developer - Full Stack Development, React, Java, Test Driven Development (TDD)
- Enforcing rigorous software testing to ensure 100% code coverage, guaranteeing a robust and stable platform for outdoor enthusiasts to explore new parks with confidence
- Implemented features including park search, user account creation, favorite park list management, friend comparisons, and accessibility, ensuring secure data handling and cross-platform functionality on Chrome browser and mobile devices

NXTMode
Developer - Full Stack Development, iOS Development, React Native, NodeJS, Shopify API, Firebase, MongoDB, PostMan API
- Spearheading the development of an innovative iOS app for NXTMode, a fashion marketplace designed to give new designers exposure and enable them to showcase and sell their creations
- Customizing and optimizing the Shopify Marketplaces Buyer app source code to seamlessly integrate with NXTMODE's platform, facilitating fashion designers in showcasing their creations and enabling users to make purchases effortlessly

SKILLS

Languages: Java, C#, Python, HTML/CSS, Javascript, React/React Native, JSON, SQL, Angular
Tools: Git, Docker, Spring Boot, JUnit, MongoDB, .Net Framework, WinForms, Microsoft SQL Server, Flask, GCP, Restful API
Business: Consulting, Marketing, Branding, Market Sizing, Microsoft 365, Google Workspace
Interpersonal: Teamwork and Collaboration, Conflict Resolution, Adaptability and Flexibility, Time Management