

# 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 for automated data acquisition from a Thorlabs spectrometer, optimizing the measurement process 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, Postman, Docker, Spring Boot, JUnit, MongoDB, Jira, WinForms, Microsoft SQL Server, Flask, GCP

**Business:** Consulting, Marketing, Branding, Market Sizing, Microsoft 365, Google Workspace

**Interpersonal:** Teamwork and Collaboration, Conflict Resolution, Adaptability and Flexibility, Time Management