

Jisol Park

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EDUCATION

University of California, San Diego

2025

B.S. Math - Computer Science

La Jolla, CA

- **Relevant Coursework:** Software Engineering, Operating Systems Programming, Advanced Data Structures, Computational Methods, Discrete Mathematics, Mathematical Software

PROJECTS

AI-Powered Personal Finance Assistant

Sept. 2024 - Present

Full Stack Developer

San Diego, CA

- Developing a full-stack web application integrating **React**, **Node.js**, and **MongoDB**, enabling users to track expenses and receive AI-driven financial recommendations.
- Implementing predictive machine learning models using **Python** and **TensorFlow** to analyze user spending patterns, providing personalized budgeting and investment insights.

MarkIt

Sept. 2024 - Present

Full Stack Developer

San Diego, CA

- Currently developing a full-stack web application using **JavaScript**, **Python**, and **SQL** databases to store and manage bookmark posts from social media, utilizing **React**, **Node.js**, and **MongoDB** to provide users with efficient content organization.
- In progress: implementing basic AI features using pre-trained models and NLP techniques to enhance content sorting and search functionalities, improving user experience and content retrieval efficiency.

Financial Data Pipeline and Visualization System for Stock Market Indices

Aug. 2024 - Sept. 2024

Full Stack Developer

San Diego, CA

- Developed a scalable data pipeline on **AWS** using **Python** and AWS services for automated ingestion and processing of market indices data; integrated SQL databases for efficient data storage and querying.
- Applied machine learning techniques, including **Random Forest Regression**, to predict stock market trends; designed and deployed interactive dashboards using AWS QuickSight to visualize predictions and market indices trends.

Cipher

Dec. 2023 - Jan. 2024

Developer

San Diego, CA

- Built a secure encryption/decryption tool for text and binary files using **C** and **assembly language**, implementing a custom book cipher variation.
- Optimized the tool for per-byte manipulation, enhancing security measures and processing speed.

Zodiak

Feb. 2023 - May. 2023

Full Stack Developer

San Diego, CA

- Developed a responsive web app using **React**, providing personalized daily readings with dynamic UI animations and compatibility checks.
- Collaborated in an agile environment with 6 members, participating in sprints and stand-ups, and established a **CI/CD** pipeline to automate testing and deployment.

LEADERSHIP EXPERIENCE

Product Management Club

Sept. 2023 - Jun. 2024

VP Tech

San Diego, CA

- Led a team of 5 members to build the club's official website using **HTML**, **CSS**, and **React**, coordinated agile practices.

Society of Women Engineers

May 2022 - Apr. 2023

Social Chair

San Diego, CA

- Successfully organized networking events for 30+ members

WORK EXPERIENCE

Tutor

May 2020 - Present

Math Tutor

San Diego, CA

- Created individualized lesson plans for 20+ students, resulting in 6 students entering accelerated math programs and 4 students scoring 5 on AP Calculus exams.

SKILLS

Technical Skills: C++, C, Java, Python, JavaScript, HTML, CSS, Linux/Unix, SQL, MATLAB