

# Jisol Park

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## SUMMARY

Software engineer with experience in full-stack development, AI, and cloud technologies. Skilled in building scalable systems using Python, PyTorch, FastAPI, and AWS. Proven ability to optimize processes, deliver data-driven solutions, and collaborate in agile environments.

## EDUCATION

### University of California, San Diego

B.S. Math - Computer Science

La Jolla, CA

- Operating Systems Programming, Data Structures, Design/ Analysis of Algorithms, Object-Oriented Programming

## EXPERIENCES

### MediPrint Ophthalmics, Inc.

Jan. 2025 - Present

Project Management Intern

San Diego, CA

- Organized investor meetings while creating detailed pitch decks to secure \$7M in funding for a new product.
- Developed a **Python**-based mass personalized email script, reducing email outreach time by 70% and improving prioritization of high-value investors.
- Collaborated with R&D and consultant teams to develop presentations, resulting in increased investor engagement and advancing clinical trial discussions.

### AI-Powered Recommendation System

Feb. 2025 - Present

Developer

San Diego, CA

- Building a Neural Collaborative Filtering (NCF) model using **PyTorch** to generate personalized recommendations based on user interactions.
- Developing a FastAPI-based API for real-time recommendation delivery, integrating Redis caching to optimize performance and reduce response time.
- Designing deployment strategies on AWS, ensuring scalability and efficient model inference for large-scale data.

### howToHost

Jan. 2025 - Present

Full Stack Developer

San Diego, CA

- Developed a seating optimization tool for restaurants to manage reservations, walk-ins, and table assignments based on party size, server availability, and reservation timing.
- Built a RESTful API with **Express.js** and **SQLite** to handle reservation and table data, implementing a Greedy Algorithm for efficient table allocation and conflict reduction.
- Integrated real-time suggestions for walk-in customers and automated reservation reminders to streamline operations and reduce host stress.

### Financial Data Pipeline for Stock Market Indices

Sept. 2024 - Jan. 2025

Developer

San Diego, CA

- Designed and implemented a scalable ETL pipeline financial data pipeline using **AWS (S3, RDS, QuickSight, CloudWatch)**, **Python**, and **SQL** to automate market data processing, reducing manual workload by 40%.
- Created interactive dashboards in AWS QuickSight, enabling data-driven insights for business analysts.
- Optimized SQL database schema and indexing in AWS RDS, reducing query latency by 30% for real-time analytics.

### Product Management Club

Sept. 2023 - Jun. 2024

VP Tech

San Diego, CA

- Led a team of 5 to develop the club's website, improving member engagement by 25%.
- Coordinated agile sprints and hosted workshops on frontend development.

### Zodiak

Feb. 2023 - May. 2023

Front End Developer

San Diego, CA

- Developed a **React** web app with CI/CD pipeline and participated in Agile sprints with 6 developers.

## SKILLS

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