

# Jimmy Jin

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## EXPERIENCE

### PANASONIC AVIONICS CORP. | DATA SCIENCE INTERN

Jun 2024 - Sep 2024 | Irvine, CA

- Engineered an end-to-end dashboard with **AWS Athena** and **QuickSight**, cutting query time by **8 hours** weekly.
- Developed a **Flutter** UI and implemented a movie recommendation engine with **PySpark** using ARL algorithms, increasing the probability of movie selection by **233%**.
- Consulted with other teams to create new POCs that involve the adoption of AI and ML throughout the company.

### UCI MOBLEY LAB | UNDERGRADUATE RESEARCHER

Nov 2024 - Present | Irvine, CA

- Cut Thompson Sampling warm up cycles runtime by **50%**, enhancing scalability for large chemical datasets.
- Rearchitected Jupyter notebooks into Python packages, improving code structure, maintainability, and efficiency.
- Utilized SLURM job scheduling with sbatch to ensure dependency-driven script execution and resource optimization.

### IRVINE CHINESE IMMERSION ACADEMY | TECHNOLOGY

SUPPORT TECHNICIAN

Feb 2024 - Jun 2024 | Irvine, CA

- Troubleshooted different electronic devices to provide students and teachers necessary equipment.
- Facilitated communication between internal staff and external technicians to decrease broken device downtime.
- Maintained account permissions through Google admin and Office 365.

## PROJECTS

### J-MOVIE | JAVA, MYSQL, AWS, DOCKER, KUBERNETES

Mar 2024 - Jun 2024

- Developed a full stack project using **JDBC** and Java libraries to retrieve and update data from a **MySQL** database and HTML for a user-friendly interface.
- Launched the application through **AWS EC2 Ubuntu** instance with Tomcat guarded by custom security groups.
- Containerized the app with Docker and orchestrated the containers using Kubernetes k8 clusters to manage scaling, load balancing, and failover.

### GOOGLE MOCK ENGINE | FLASK, BS4, REQUESTS, THREADING

Mar 2023 - Jun 2023

- Tokenized 20,000+ web pages using various indexing methods and organized the data into JSON, ensuring query responses within **300ms**.
- Developed a graphic interface with **Flask** to provide intuitive user interaction with the search engine.

## EDUCATION

University of California Irvine

B.S COMPUTER SCIENCE || DEC 2024

Regent's Scholar || 2020 - 2024

Dean's Honor Scholar || 2020 - 2022

GPA: 3.74

## SKILLS

### PROGRAMMING

Python • SQL

Java • JavaScript

### TECHNOLOGY

Git/Github • AWS

React • Next.js • Node.js

Tailwind.css • Docker • Jira

### SOFT

Teamwork • Initiative

Communication • Curiosity

## COURSEWORK

### UNDERGRADUATE

Artificial Intelligence

Data Structures and Algorithms

Databases

Full-stack

Computer Networks

Operating Systems

Machine Learning + Data Mining

## LINKS

### Portfolio (WIP)

• [www.jimfolio.xyz](http://www.jimfolio.xyz)

### Github

• [github.com/jinimmy](https://github.com/jinimmy)

### LinkedIn

• [jimmy-jin-774ab7237/](https://www.linkedin.com/in/jimmy-jin-774ab7237/)