

Seojin Park

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EDUCATION

University of California, San Diego

Bachelor of Science in Computer Science

September 2024 - June 2026

GPA: 3.77

- Relevant Coursework: Advanced Data Structures, Sys Prog and Software Tools, Design & Analysis of Algorithms

San Diego Miramar College

Associate of Science for Transfer in Computer Science

August 2022 - May 2024

GPA: 4.0

- Honors Student | Associated Student Government Senator | Engineering Club officer

WORK EXPERIENCE

Software Engineer Intern / Argus West Investigations

January 2025 - Present

- Streamlined **RESTful API** endpoints, implemented **CRUD** functionality, and managed database model migrations using **Django** to create a **Case Management System (CMS)**
- Refactored backend logic and wrote **unit tests** to improve maintainability and reduce execution times

Software Engineer - AI Trainer / Alignerr

October 2024 - Present

- Annotated and labeled **300+ datasets**, ensuring high-quality training data to boost AI model accuracy
- Reviewed, analyzed, and debugged **200+ AI-generated C/C++/Python code snippets**, identifying logical errors, improving AI-generated code quality, and reducing errors by 20%
- Collaborated with engineers to improve AI model accuracy, showing strong **team communication** and quality assurance

Full-Stack Developer / CSES

September 2024 - Present

- Led front-end and back-end development and built **20+** dynamic components and pages for a **React Native open-source app, Triton Spend**, an app for tracking finances
- Integrated secure user authentication and **PostgreSQL-backed financial tracking APIs** using **Google Auth** and **Node.js**
- Deployed app using **AWS** and set up **CI/CD pipelines** with **GitHub Actions**, automating testing and deployment

Software Development Intern / Falkor

July 2024 - September 2024

- Designed **50+ reusable React Native components** for a full-stack social media application, enhancing UI consistency and user engagement
- Integrated **100+ Django RESTful APIs** and containerized backend services with **Docker**, simplifying local development
- Enhanced frontend performance by adding **lazy loading**, **pagination**, and **optimized API calls**, reducing load time by **30%**

Software Test Engineer Intern / Sun Tech

June 2021 - August 2021

- Conducted **600+ firmware tests** on company products, **automating Unit and Integration testing** for reliability
- Identified and documented software and hardware defects using **Jira**, facilitating efficient issue tracking and resolution

PROJECTS

Stock Educator - Diamond Hacks 2025

April 2025

- Developed an **AI-powered** stock simulator tool with **React, Node.js, Express.js, and PostgreSQL**
- Generated quizzes on past stock market situations and validated with **Gemini AI** to automatically check user answers and provide instant, actionable feedback
- Connected **real-time stock market data APIs**, providing insights to help users make informed trading decisions

Quick Chat

May 2024 - July 2024

- Implemented **React, Node.js, and Socket.IO** for **real-time messaging**, ensuring seamless and instant communication
- Enhanced server performance by **30%** using **rate limiting**, **database indexing**, and **connection pooling**
- Designed a **scalable MySQL database schema** to manage users, channels, and messages efficiently

Jet Fighter Game

October 2023 - December 2023

- Programmed a 2-player jet fighter game using **Java GUIs**, leveraging **OOP** to create modular and maintainable code
- Boosted game performance by **40%** using **multithreading**, efficiently managing gameplay mechanics and player interactions in separate threads to minimize lag and optimize responsiveness
- Built **custom classes and objects** for player jets, missiles, and enemy units, enabling scalable game object management

TECHNICAL SKILLS

Languages: C++, C, Java, Python, HTML, CSS, JavaScript, TypeScript, SQL, Assembly MIPS

Libraries and Frameworks: React, React Native, Angular, Django, Node.js, Express.js, PostgreSQL, MySQL, Pytest

Developer Tools: Git, GitHub, GitHub Actions, Bitbucket, Jira, Docker, Postman, Swagger, AWS, Firebase