

# Seojin Park

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## EDUCATION

### University of California, San Diego

September 2024 - December 2026

Bachelor of Science in Computer Science

- Relevant Coursework: Advanced Data Structures, Design & Analysis of Algorithms, Machine Learning

### San Diego Miramar College

August 2022 - May 2024

Associate of Science for Transfer in Computer Science

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

## WORK EXPERIENCE

### Software Engineer Intern - ML / TransCore

June 2025 - Present

- Developed specialized **AI agents** using **LLMs fine-tuned with Ollama**, integrated with **Open WebUI** to manage model interactions, and incorporated domain-specific **knowledge bases** for tolling system challenges
- Deployed **FastAPI** services to capture user feedback and log chat interactions, enabling performance tracking
- Created **prompt-based tools** in **Python** to enable **tool calling** for tasks like data look-up and support for internal systems

### Software Developer - Service Now / UCSD ITS

May 2025 - June 2025

- Contributed to the design and debugging of IT systems using **ServiceNow** and **Jira**, following Agile Development
- Wrote and maintained custom scripts in **JavaScript** and created **Record Producers**, **Catalog Items**, and **Flows**

### Full-Stack Developer / Computer Science and Engineering Society (CSES)

September 2024 - May 2025

- 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 RESTful 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 Engineer Intern / Argus West Investigations

January 2025 - April 2025

- Streamlined **150+ RESTful API** endpoints, implemented **CRUD** functionality, and managed database model migrations using **Django** to create a **Case Management System (CMS)**
- Optimized backend logic and wrote **unit tests** using **Django TestCase** to improve maintainability and reduce execution times
- Followed **Agile methodologies**, participating in sprint planning, daily stand-ups, and code reviews

### 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%**

## PROJECTS

### Note Cast

June 2025 - Current

- Built a **React** web application that converts written notes into podcasts using **AWS Polly AI** for text-to-speech.
- Implemented secure user authentication with **Amazon Cognito** and integrated **Google OAuth** for seamless login.
- Leveraged **AWS Lambda** for serverless backend logic, **DynamoDB** for tracking word usage, and **S3** for audio file storage.

### 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

## TECHNICAL SKILLS

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

**Libraries and Frameworks:** React, React Native, Django, Node.js, Express.js, PostgreSQL, MySQL, Ollama, Open WebUI

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