

# Jeongbin Sean Park

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## EDUCATION

### University of California San Diego

La Jolla, CA

*Bachelor of Science – BS, Major in Mathematics – Computer Science*

*June 2024*

*Bachelor of Science – BS, Minor in Finance*

*June 2024*

- **Awards/Honors:** 4× Provost's Honors Recipient
- **Extracurricular Activities:** ACM (Association for Computing Machinery), UCSD BJJ, CSE Tutor, KASA

## PROJECTS

### Credit Card Points Tracker | *React, Django, PostgreSQL, Redis, PyTorch, Docker*

July 2024 – Present

- Developed a **React**-based web application to track and analyze transactions, empowering users to optimize points and rewards harnessing a custom algorithm for transaction insights.
- Automated data scraping with **Playwright** and **Celery**, leveraging **Redis** for caching rewards multipliers and **PostgreSQL** for robust transaction storage, achieving a **30%** improvement in processing speed.
- Integrated **PyTorch** with **Django** to automate data cleaning and developed a recommendation system for identifying the best credit card based on users' spending patterns.

### Portfolio Website (binni.dev) | *Vue.js, Express, Tailwind CSS*

Feb 2024 – Present

- Designed and developed a responsive portfolio website to showcase technical expertise and projects, attracting employers through a professional online presence.
- Optimized load times by **18%** using **Tailwind CSS** and **Vue.js** for its lightweight framework, enhancing website performance and user experience.
- Deployed and maintain the website via **Vercel**, with a streamlined CI/CD pipeline leveraging **Vercel CLI**, improving deployment efficiency by **40%** and using **Vercel Web Analytics** for performance insights.

### Youtube Clone | *TypeScript, Next.js, Express, Docker, Google Cloud Services, Firebase*

Nov 2024 – Dec 2024

- Built a secure video processing platform with **Node.js** and **Google Cloud**, featuring integrated video compression using **FFmpeg**, asynchronous message handling with **GC Pub/Sub**, and end-to-end security with **GC Storage**.
- Implemented secure user authentication with **Firebase Authentication**, incorporating email/password login and token-based authorization to protect user data and ensure a seamless sign-in experience.
- Acquired experience with best practices for system design and scalability, focusing on building modular, maintainable code and optimizing resource usage for high-performance applications.

## EXPERIENCE

### Outlier

May 2024 – Nov 2024

*Freelance Coder & AI Training*

*Remote*

- Enhanced AI model accuracy from **88% to 92%** by refining datasets and conducting rigorous validation of LLM-generated coding responses, improving reliability in customer-facing applications.
- Leveraged deep learning architectures and natural language processing methodologies to improve the reliability and scalability of AI solutions.

### New-Sol

June 2021 – Sep 2023

*Software Engineer Intern*

*Seoul, South Korea*

- Collaborated with a team of engineers to design and develop broadcasting software deployed across **6,000+** devices in **13 districts** of Seoul, South Korea, gaining valuable insight into software-hardware integration.
- Implemented scalable broadcasting systems solutions, enhancing performance and ensuring seamless operation while gaining hands-on experience with **C++**, **Python**, and **SQLite**.

## TECHNICAL SKILLS

**Programming Languages:** Python, C/C++, JavaScript, TypeScript, Java, R

**Frameworks:** React, Vue.js, Django, Express.js

**Cloud Platforms:** AWS, Google Cloud Platform

**Database Systems:** PostgreSQL, MongoDB, SQLite, Redis

**Libraries:** Numpy, pandas, Matplotlib, seaborn, PyTorch

**Developer Tools:** Docker, Node.js, Git, Linux, GDB, Jest, Vercel

## SKILLS

**Languages:** English (Fluent), Korean (Fluent)

**Hobbies:** Jiu-Jitsu, Golf, Surfing, Snowboarding