

SEAN KIM

(201)-937-7441 ◦ Palisades Park, NJ

taemin.kim0327@gmail.com ◦ [GitHub](#) ◦ [LinkedIn](#) ◦ [Personal Site](#)

EDUCATION

Rutgers University-New Brunswick

GPA: 3.88

Bachelor of Arts - Computer Science

Expected Graduation: May 2026

- **Relevant Coursework:** DSA, Deep Learning, Databases, Data Management, Computer Architecture
- **Dean's List:** 2022-2024

EXPERIENCE

ACL Agency LLC

Jun 2024 - Aug 2024

Full-Stack Developer

Ridgefield, NJ

- Rebuilt company website with SvelteKit, adding SEO-friendly Korean language support with SSR which boosted site traffic by 30% and enhanced market presence in the local community.
- Optimized an internal Go service with goroutines, achieving a 42% increase in insurance claims processing speed on over 500 concurrent OCR and file compression tasks.
- Deployed service on AWS EC2 with Nginx for SSL termination and whitelisting using Docker Compose.

PROJECTS

grammacy | [GitHub](#) | [grammacy.com](#)

Python, spaCy, Flask, Nginx, Docker, AWS EC2, SvelteKit, Firebase

- Led a team of 3 to develop a grammar-checking library with spaCy featuring a CoNLL-U corpus augmentor that improved processing speeds on OntoNotes 5.0 by over 10x with parallel and concurrent processing.
- Built a prepackaged English model by training a dependency parser (93% LAS) and POS tagger (98% accuracy) on an augmented GUM corpus, checking over 20 grammar errors with 83% accuracy.
- Constructed a Flask API endpoint running on Gunicorn to serve over 600 concurrent English grammar and spell-checking requests, averaging 25ms prediction times.
- Deployed the endpoint behind an Nginx reverse proxy for SSL termination and rate limiting on AWS EC2 using Docker Compose.
- Created a SvelteKit site for library documentation and API guides, deployed on Firebase Hosting.

ref:note | [GitHub](#) | [refnote.app](#)

Go, TypeScript, Node, Next, OAuth2, Docker, GCP, Vercel

- Led a team of 2 to develop a collaborative note editor with Next, deployed on Vercel.
- Implemented real-time collaboration using Yjs on a Node WebSockets server running on Google Cloud Run, handling 250 concurrent note edits with 100% consistency between clients.
- Built a Go backend for database operations on Google Cloud Run, reducing cold start times to 100ms.
- Secured API endpoints using OAuth2 and JWT, enabling 1000 users to safely access collaborative features.
- Leveraged Firestore to store user and note data, implementing granular access control for each note.

TECHNICAL SKILLS

Languages: Python, Go, TS/JS, Java, C, SQL

ML/DS: NumPy, Pandas, PyTorch, OpenCV, spaCy, NLTK

Web Development: Flask, Node, Express, Nginx, React, Next, SvelteKit, Tailwind

Tools and Platforms: Git, AWS EC2, GCP, Vercel, Docker