

Minjae Kung

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EDUCATION

The University of North Carolina at Chapel Hill

Expected **May 2026**

B.S. Computer Science, B.A. Mathematics | Minor in Linguistics

3.84/4.00 GPA

- Undergraduate Linguistics Club President, UNC Academic Team Treasurer, TechX Software Development Society
- Relevant Coursework:**
DSA, Systems, Computer Organization, Discrete Math, Automata Theory, AI, Software Engineering, Linear Algebra, Probability

EXPERIENCE

Cisco | Research Triangle Park, NC

Software Engineer I (Intern)

Jan 2026 – Apr 2026

- Incoming Software Engineer Intern on the Service Delivery Management team

Intuit Credit Karma | Charlotte, NC

Software Engineer Intern · Credit Builder

May 2025 – Aug 2025

- Automated the recovery of failed loan payments for financial well-being product by developing a TypeScript CronJob, eliminating the need to manually reprocess transactions, using AWS, PostgreSQL, Terraform, Redash, payment processing APIs
- Migrated an acquired startup's Iterable-based notification system to an in-house system using PostgreSQL, Apache Kafka, Turborepo, BigQuery, and webhooks while ensuring legal compliance; estimated to reduce costs by \$120k/yr
- Repackaged and deprecated modules in the startup monorepo, as part of the transition to service-oriented architecture

Software Engineer Intern · Credit Karma Money

May 2024 – Aug 2024

- Developed a TypeScript microservice that produces and publishes notification objects to Apache Kafka service bus
- Coordinated with product engineers to develop email and push notifications for checking account dispute process
- Implemented trigger mechanisms in a TypeScript service to send dispute tracking notifications to Money account holders, resulting in a decrease in call volume, improving User Experience for hundreds of thousands of members
- Fully deployed to production using Vitest, internal test environments, containers, A/B testing; authored a Technical Design Document to diagram architecture and summarize development and testing process

Standard Intelligence PBC | San Francisco, CA

Contractor

Aug 2024 – Sep 2024

- Developed and maintained data processing and gathering pipelines using Python's aiohttp and asyncio
- Optimized API calls and parallelized tasks and wrote unit and integration tests in Pytest to maintain code quality

UNC School of Medicine | Chapel Hill, NC

IT Security Assistant

Aug 2022 – Present

- Analyzed phishing testing and security data for over 7,000 users; created Jira Kanban board and generated TeamDynamix reports
- Performed forensics, archival of over 50 terabytes of hard drives and digitized 20 years of business associate agreements

PROJECTS

"LectureMate": Artificial Intelligence Research

- Conducted exploratory research into LLM pipeline interactions by developing software that automatically generates supplemental study material from audio recordings and slide decks by integrating **Whisper** and **Llama** APIs
- Authored a research paper and presented findings for UNC's COMP 560: Artificial Intelligence course

Korean Language Transliterator

- Developing language-learning software that parses and transliterates Korean words and phrases utilizing OpenAI APIs

Mental Health Diary: HackNC Project

- Created a journaling webapp with Sentiment Analysis by implementing NLP with Python's **NLTK** and **vaderSentiment** to detect variation in polarity of entries; built with **Flask** and **Jinja2**, data visualized with **Matplotlib** and **Pandas**

SKILLS & INTERESTS

Languages, Technologies, Methodologies:

- Python, Java, Scala, C, HTML, CSS, JavaScript, TypeScript, Go, C++, SQL, R, Elixir; OOP & Functional Programming
- Docker, Kubernetes, AWS, GCP, Figma, REST API, GraphQL, Node.js, NPM, Yarn, React, Vue.js, Angular, CI, Agile, Scrum, Kanban

Human Languages: Korean (native), English (native), French (B1), Russian (A2)

Interests and Passions: Architecture, Urban Planning and Transit, Trivia, Geography, Cycling, Language Learning, Photography