Yoo Chan Joung
Software Engineer

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Education

Carnegie Mellon University *Pittsburgh, PA*   *May 2025*

- ✓ MS in Electrical and Computer Engineering (Fall 2024 – Spring 2025)
- ✓ BS in Electrical and Computer Engineering, Minor in Computer Science (GPA: 3.63)
- ✓ *Relevant Courses:* Web Application Development*, Distributed Systems, Principles of Software Construction, Parallel and Sequential Data Structures and Algorithms, Introduction to Computer Systems, Principles of Imperative Computation *(Spring 2024*)*

Experience

NWF Strategies *Santa Clara, Silicon Valley (Remote)*   *May 2023 – August 2023*
Software Engineering Intern

- ✓ Programmed a data analysis model using Python ML to predict ethnicity based on name and zip code
- ✓ Utilized a threshold optimization to ensemble data models
- ✓ Enhanced the accuracy of the ethnicity prediction model by approximately 30%
- ✓ Implemented a data mining program that tracks likes and comments on social media

Ernst & Young Consulting *Seoul, Korea*   *May 2022 – July 2022*
Tech Consulting Intern (Tech PMO)

- ✓ Co-managed a tech project in LG Electronics
- ✓ Consulted on tech stack and computer security in LG Electronics
- ✓ Bridged communication among Adobe, Smart OSC, LG Electronics, and LG CNS.
- ✓ Managed metadata by developing a classification system and migrating them to digital asset management

Software Project

Distributed Bitcoin Miner   *September 2023 – October 2023*
Go, Distributed Systems

- ✓ Created a bitcoin mining distributed system by implementing Live Sequence Protocol (LSP)
- ✓ Programmed a miner, client, and server API to return a mined hash result back to the clients
- ✓ Designed server to distribute workload to 100+ miners to handle 50+ client requests concurrently

Brew App (Event-Based Dating App)   *July 2023 – September 2023*
Flutter, Dart, Mobile/App Development, Full Stack Development

- ✓ Programmed a prototype of dating app with event-based matching system
- ✓ Implemented a PHP server that manages user data
- ✓ Integrated and collected user data in mySQL database

Leadership

Squad Leader   *August 2021 – February 2022*
Combat Engineer in ROK Army (September 2020 – March 2022)

- ✓ Took charge of the squad of 8 to 10 men in Mobility Platoon
- ✓ Led a mine-detecting operation and MICLIC installation training
- ✓ Consulted with 10+ CO's and NCO's in a weekly meeting to boost the morality of the squadron

Skill

- ✓ *Programming Language*: Python, Go, C, Java, HTML, CSS, JavaScript, SQL, TypeScript
- ✓ *Technical Skill*: Distributed Systems, Mobile/App Development, Full Stack Development, Machine Learning, Data Engineering, Game Development, Tech Consulting, Project Management