

# Minsoo Ku

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https://github.com/minsooku

## EDUCATION

### University of Maryland

2022 – Expected graduation 2027

**Computer Science, B.S. GPA:3.62/4.00 (Academic Honors/Dean's List)**

**Related Coursework:** Computer Science Fundamentals, Machine Learning, Programming Algorithms, Discrete Structures, Object-Oriented Programming

## PROFESSIONAL SUMMARY

Structured and globally minded problem-solver with a strong foundation in computer science and cross-functional team collaboration. Experienced in connecting technical knowledge with real-world execution through international military service, leadership roles, and AI-focused projects. Proficient in multiple programming languages; excels in communicating across cultural and functional lines. Brings a track record of aligning mission-driven objectives with technical solutions to deliver measurable results.

## TECHNICAL SKILLS / ADDITIONAL INFORMATION

**Programming Languages:** JAVA (advanced), C(advanced), Python(intermediate), React(intermediate)

**Language:** English (Native, Bilingual, 7 years of overseas experience), Korean (Native)

**Military:** ROK Army (January 2024 – July 2025), deployment to UNIFIL (September 2024 – May 2025)

## WORK EXPERIENCE

### United Nations Interim Forces in Lebanon (UNIFIL)

September 2024 – May 2025

*Interpreter at Republic of Korea Battalion S3 (Ops)*

- Provided interpretation (English & Korean) for multiple meetings and translated documents/guidelines from higher command
- Served as Master of Ceremonies for multi-national/cultural events
- Developed and coordinated a wide range of operational plans using Microsoft Office
- Drafted multiple back-brief materials detailing our operations and their results and presented to commanders
- Received commendation from Republic of Korea Ambassador to the Republic of Lebanon and UN Medal from UN Secretary General and UNIFIL Commander

## PROJECTS

### School Registration System for University of Maryland's courses | Personal Project

2022

- Created a class registration system for small institutions
- Utilized Maps and Sets to efficiently store the data for registration system (Courses, classes, students)
- Utilized static inner class that extends thread to run threads concurrently.

### Command Count Program for UNIX | Personal Project

2023

- Created a concurrent (multithreaded) program that works just like the UNIX word count utility "wc"
- Implemented an algorithm to take the total number of lines, words, and characters in all the files
- Utilized Pthreads for concurrency, which creates one thread per filename appearing on its command line

## EXTRACURRICULAR ACTIVITIES

### Sociable AI

January 2023 – August 2023

- Participated in an innovative startup project that uses AI and chatbots to help people socialize
- Utilized Python, HTML, CSS, and Figma to build a website
- Organized meetings and helped communication between developers and business/management team
- Conducted in business meetings with the school boards for fundings in our project

### Korean Undergraduate Student Association (KUSA)

July 2023 – December 2023

*Treasurer*

- Managed the organization's budget, ensuring accurate tracking of income and expenses
- Provided monthly budget reports to the executive board and regular members
- Collected membership dues and oversaw event fundings
- Collaborated with the executive board to ensure enough budget is secured for organizational goals and upcoming events