

# Minsoo Ku

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## EDUCATION

### University of Maryland

*Bachelor of Science in Computer Science*

College Park, MD

2022 – 2027 (*Expected*)

- **GPA:** 3.62 / 4.00    **Honors:** Dean's List (2023–2024)
- **Relevant Coursework:** Algorithms, Programming Languages, Object-Oriented Programming, Discrete Structures, Applied Probability and Statistics, Linear Algebra

## PROFESSIONAL SUMMARY

**Structured and globally minded problem-solver** with a strong foundation in computer science and software engineering. Experienced through a **software engineering internship**, full-stack projects, and **leadership in United Nations Peacekeeping Operations**. Skilled in **scalable software**, **modern frameworks**, and cross-cultural collaboration, with a proven ability to drive measurable impact.

## EXPERIENCE

### United Nations Interim Forces in Lebanon, UNIFIL

*Interpreter Sergeant, Republic of Korea Battalion S3 (Ops)*

Sep 2024 – May 2025

*Tyre/Naqoura, Lebanon*

- Delivered **real-time interpretation from English to Korean** and supported cross-unit communication in mission-critical operations.
- Coordinated **operational plans** and authored back-briefs, improving **efficiency by 25%** and accelerating decision-making.
- **Automated reporting workflows** using Microsoft Office tools, reducing manual workload across sub-units.
- Received **commendation from the Korean Ambassador** and the **UN Medal** from the UNSG.

### Sociable AI

*Software Engineering Intern*

Jan 2023 – Aug 2023

*College Park, MD*

- Built and maintained a **cross-platform chatbot service** using TypeScript, React.js, TailwindCSS, and Python.
- Integrated **external APIs**, such as OpenAI, Instagram, X, Telegram to **expand product functionality by 40%**.
- Diagnosed and resolved system bottlenecks through **debugging and log analysis**, improving platform scalability and **reducing downtime by 25%**.

## PROJECTS

### RouteN | *Flutter, Firebase, Google Maps API*

May 2025 – Aug 2025

- **Developed a mobile travel app** enabling trip discovery, planning, and saving with a modern **Flutter** architecture.
- Implemented user community features, such as reviews, photos and ratings, to increase engagement and retention.
- Engineered dashboards, authentication and database via **Firebase**, **reducing onboarding time by 50%**.
- Applied scalable widget architecture for dynamic destinations and personalized recommendations.

### Portfolio Website | *React.js, Tailwind CSS, Vite, EmailJS*

April 2025 – Aug 2025

- Built a **fully responsive portfolio website** to showcase projects and professional experience.
- Implemented Dark/Light mode with persistent local storage and smooth UI transitions.
- **Integrated a real-time contact form** using EmailJS and React Toastify, reducing response latency.
- Optimized performance with code-splitting and Tailwind purging, and deployed on **Netlify**.

## LEADERSHIP & ACTIVITIES

### Korean Undergraduate Student Association (KUSA)

*Treasurer*

Jul 2023 – Dec 2023

*College Park, MD*

- Managed a budget of **\$5,000+**, tracking income/expenses and ensuring financial transparency.
- **Produced monthly financial reports** for the executive board and maintained accurate records of all transactions.
- Oversaw funding for **10+** campus events, **boosting student participation by 20%**.

## TECHNICAL SKILLS

**Languages & Frameworks:** Java, Python, C, Rust, Ruby, OCaml, React, Flutter, Tailwind CSS, Firebase

**Developer Tools:** Netlify, Docker, Git, Google Cloud Platform (GCP), VS Code, Visual Studio, Eclipse

**Human Languages:** English (Native), Korean (Native)