Giwon Song

Undergraduate Student
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PERSONAL DATA

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EDUATION

Mar.2022 ~Feb.2026	Tongmyong University Major: Department of Information Security GPA: 3.72/4.5 major credits: 3.74/4.5 Credits earned: 137/135	Busan Namgu
Mar.2019 ~Jan.2022	Yuhan Technical High School Major: Department of Architectural Interior Design	Seoul Guro

RESEARCH INTEREST

- Cryptography
- Post-Quantum Cryptography
- Lattice-Based Cryptography
- Homomorphic Encryption

PROJECT

Mar.2024 ~Dec.2024

National Security Technology Research Institute research project

Role: Writing papers, Researching data, Participating in academic conferences

– Participated in and received awards at the Korea Convergence Security Society Summer Conference in June.
– Korea Information and Communication Society Fall Conference scheduled for October.

I participated in a research project conducted by the National Security Technology Research Institute and was responsible for conducting data

research and writing papers on rapidly changing current industrial technology and future trend technologies. Based on this, We won the Best Paper Award in the poster category at the Korea Convergence Security Society Summer Conference held last June.

Oct.2022 ~Nov.2022

EZXTA Entrepreneurship Club Google Play game launched

Role: Planning and item creation

This is a project in which all members of the EZXTA Entrepreneurship Club team participated in planning and development to develop the UPGRADESWORD game. I was responsible for creating and designing in-game items and participated as a beta tester to ensure there were no bugs during the process.

Sep.2022 ~Oct.2022

Discord Valorant performance record bot development

Keyword**:** Discord, API, Web Crawling Role: Development

– Discord is a platform for real-time voice, text, and communication, primarily used in community and collaboration environments.

At the time of the EZXTA startup club, We developed a Discord bot that could retrieve and display information on the web in real time through commands from the Discord server using the Discord API and web crawling.

July.2022 ~Aug.2022

Identity authentication system for outsiders who regularly visit apartment complexes

Keyword: Identity Authentication, Apartment Complex, DID Role: Data research, Production, Writing of some papers

In order to participate in the 2022 summer semester, We participated in the development of an apartment complex wall pad security and outsider identity authentication system. In this study, We developed a system that uses DID to authenticate customers by verifying the identity of outsiders who visit regularly through simple authentication. The system has reliable security features.

AWARDS

2022 TU-SEED Awarded at the Living Lab Problem-Solving Competition Tutoring Hacking Study Excellence Team Award

2023 3rd Creative Land Encouragement Award

2024 Received the Best Paper Award at the Korea Convergence Security Society Summer Conference (method of applying vulnerability information to vulnerability information provider and AI-based technology)

SCHOLARSHIP

2022 Excellent grades (scholarship) - 20% tuition
Special scholarship (dduing challenge period) – Scholarship amount (KRW 200,000)
Mileage Scholarship – Scholarship amount (KRW 66,000)
SW Business Group D Grade Mileage Scholarship – Scholarship Amount (KRW 250,000)

2023 Mileage Scholarship – Scholarship amount (KRW 92,000)
Special scholarship (academic incentive) – Scholarship amount (KRW 500,000)
Special scholarship (dduing challenge period) – Scholarship amount (KRW 200,000)
Mileage Scholarship – Scholarship amount (KRW 53,500)
SW Business Group C Grade Mileage Scholarship – Scholarship amount (KRW 1,100,000)

2024 Low-income scholarship for academic excellence (KRW 300,000)

2025 Volunteer Scholarship E (KRW 1,221,000)
Volunteer Scholarship E (KRW 1,221,000)

Skills

Python
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