

Minki Lee

Undergraduate Research Student

Computer Science Major

DGIST (Daegu Gyeongbuk Institute of Science & Technology), Daegu, South Korea

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INTERESTS

- Cyber-Physical Systems Security
- Robust and Resilient Future Mobility
- Network / Systems Security

EDUCATION

B.S. in Computer Science Major

DGIST, College of Transdisciplinary Studies

Expected, August 2025

Daegu, South Korea

- WAM/GPA: 3.63/4.30, percent scale: 93.3%

- Undergraduate Group Research Project, CPsec Lab(Hongjun Choi), EECS at DGIST

Completion of Technical Venture Leader Course

DGIST TVA (Technical Venture-leader Academy)

December 2022

Daegu, South Korea

SKILLS

Languages: Korean (Native), English (Proficient)

Computer Languages: C/C++, Python, JavaScript(+HTML+CSS), PHP, Dart

Testbeds: PX4 & ROS2 & gazebo, Crazyflie 2.X, Matlab-based simulations

Developer Tools: Git, Docker

Skilled Areas: CPS Simulation, Firmware/Embedded, Computer Vision

EXPERIENCES

Visiting Undergraduate Intern

CompSec Lab at POSTECH

June 2024 - Present

Pohang, South Korea

- Advisor: Seulbae Kim

- Research about Swarming System Vulnerability

Undergraduate TA (Teaching Assistant)

School of Undergraduate Studies, DGIST

August 2024 - Present

Daegu, South Korea

- Subject: Introduction to Database

- Computer science and Engineering Major

Summer Session Visiting Student

UC Berkeley, GPA 4.0/4.0

June 2023 - August 2023

Berkeley, California, CA

- Visited by FGLP (Freshman Global Leadership Program) Support at DGIST

- Analytic Geometry and Calculus, Grade : A

- Introduction to Cognitive Science, Grade : A

Research Student

Cyber-Physical Security (CPsec) Lab at DGIST

November 2022 – June 2024

Daegu, South Korea

- Advisor: Hongjun Choi

- Research about Secure and Robust Operation of Future Mobility(Swarm Drone)

- UGRP (Undergraduate Group Research Project) for Resilient Swarm Drones

- Published DEMO at VehicleSec 2024, San Diego, United States

Intern Developer

BostonAIMS

June 2022 – August 2022

Seoul, South Korea

- CUOP (Company - University Cooperation Program) Intern
- AI model Server Deployment/Development
- Using Huggingface, Dart/Flutter, Docker along with Firebase Server

PUBLICATIONS

Demo: One Shot All Kill: Building Optimal Attack on Swarm Drones

February 2024

Minki Lee, Gangmin Kim, Jonghyun Kang, Hyunwoo Kim, Jangwon Lee, Hongjun Choi

Symposium on Vehicle Security and Privacy (VehicleSec 2024), San Diego, United States

AWARDS AND HONORS

Tech Award (Team CompSec) | HackTheDrone 2024

October 30 2024

Korea Drone Innovation Association President's Award

- 7th place in Finals, October 30th, 2024.
- 2nd place in Qualifier, September 7th - 8th, 2024.

Full Scholarship | DGIST

March 2021 – Present (August 2025 expected)

- Full National Scholarship

Grand Prize (DGIST President Award) Winner | DGIST Startup Contest

June 2021

- Personalized learning Software-as-a-Service(SaaS) Provider Startup

Finalist | Samsung Junior Software Cup

November 2018

- Project about optimizing AED delivery in emergency situation