

Minki Lee

Undergraduate Research Student

Computer Science Major

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

+82-10-9815-1720 / leeminki@dgist.ac.kr



INTERESTS

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

EDUCATION

Bachelor of Engineering, in Computer Science Major

(Expected) 14 August 2025

DGIST, School of Undergraduate Studies

Daegu, South Korea

- WAM/GPA: 3.64/4.30, percent scale: 93.4%
- Undergraduate Group Research Project, CPsec Lab(Hongjun Choi), EECS at DGIST

Completion of Technical Venture Leader Course

23 February 2023

DGIST TVA (Technical Venture-leader Academy)

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

AWARDS AND HONORS

Tech Award (Team CompSec) | HackTheDrone 2024

30 October 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

8 October 2022

- Personalized learning Software-as-a-Service(SaaS) provider startup

Finalist | Samsung Junior Software Cup

November 2018

- Project about optimizing AED delivery in emergency situation

EXPERIENCES

Visiting Undergraduate Intern

CompSec Lab at POSTECH

- Advisor: Seulbae Kim
- Research about Swarming System Vulnerability

June 2024 - Present

Pohang, South Korea

CUOP (Company - University Cooperation Program) Intern

Quester

- Intern Developer
- Computer Vision AI model (object detection and tracking) for sensor fusion
- Experienced YOLOv8, BiSeNet, SORT, DeepSORT, SAMURAI, SLAM
- Product Security Analysis (Reverse Engineering)

December 2024 – February 2025

Daegu, South Korea

Undergraduate TA (Teaching Assistant)

School of Undergraduate Studies, DGIST

- Subject: CSE401, Introduction to Database
- Computer science and Engineering Major

August 2024 - December 2024

Daegu, South Korea

Undergraduate Research Student

Cyber-Physical Security (CPSec) Lab at DGIST

- 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

November 2022 – June 2024

Daegu, South Korea

Research Internship

2024 Winter Internship Program, Department of EECS

- CSI Lab, Advisor: Kyung-Joon Park
- Research about Secure and Robust Future Mobility System

December 2023 – January 2024

Daegu, South Korea

Summer Session Visiting Student

UC Berkeley, GPA 4.0 / 4.0

- Visited by FGLP (Freshman Global Leadership Program) Support at DGIST
- Analytic Geometry and Calculus, Grade : A
- Introduction to Cognitive Science, Grade : A

June 2023 - August 2023

Berkeley, California, CA

CUOP (Company - University Cooperation Program) Intern

BostonAIMS

- Intern Developer
- AI model Server Deployment/Development
- Using Huggingface, Dart/Flutter, Docker along with Firebase Server

June 2022 – August 2022

Seoul, South Korea

PUBLICATIONS

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

Minki Lee, Gangmin Kim, Jonghyun Kang, Hyunwoo Kim, Jangwon Lee, Hongjun Choi
Symposium on Vehicle Security and Privacy (VehicleSec 2024), San Diego, United States

26 February 2024