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	Expected, August 2025
DGIST, College of Transdisciplinary Studies	*Daegu, South Korea*

- WAM/GPA: 3.63/4.30, percent scale: 93.3%
- Undergraduate Research Student, CPSec Lab(Hongjun Choi), EECS at DGIST

Completion of Technical Venture Leader Course	December 2022
DGIST TVA (Technical Venture-leader Academy)	*Daegu, South Korea*

SKILLS

Languages: Korean (Native), English (Proficient)
Computer Languages: Python, C/C++, 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	June 2024 - Present
CompSec Lab at POSTECH	*Pohang, South Korea*

- Advisor: Seulbae Kim
- Research about Swarming System Vulnerability

Research Student	November 2022 – June 2024
Cyber-Physical Security (CPSec) Lab at DGIST	*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	June 2022 – August 2022
BostonAIMS	*Seoul, South Korea*

- 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

Full Scholarship | *DGIST*   March 2021 – Present

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