

Hoyong Jeong

<https://yongari38.github.io/>

EDUCATION

Korea University
Bachelor of Computer Science and Engineering
GPA: 3.96/4.5 (93.8/100) / Major GPA: 4.09/4.5 (95.3/100)

Seoul, Korea
March 2017 – Present

PUBLICATION

정호용, 류도현, 허준범, “멜트다운 취약점을 이용한 인공신경망 추출 공격”, 정보보호학회논문지 30(6), p.1031-1041, 2020.12. [\[paper\]](#) [\[patent\]](#)

Hoyong Jeong, Dohyun Ryu, Junbeom Hur, “Neural Network Stealing via Meltdown”, The 35th International Conference on Information Networking (ICOIN), p.36-38, 2021.1. [\[paper\]](#)

RESEARCH EXPERIENCE

Artificial Intelligence Laboratory, Korea University
Undergraduate Research Intern
Implemented model-parallel systems for extremely large deep neural networks

Prof. Dongsuk Yook
December 2018 – February 2019

2019 Undergraduate Research Program (11th Creative Challenger Program)
Project Leader
Developed novel algorithm for political stance classification of Internet news articles [\[video\]](#)

Korea University
April 2019 – February 2020

2020 Undergraduate Research Program (12th Creative Challenger Program)
Project Leader
Investigated potential public Cloud vulnerabilities caused by side-channel attacks [\[video\]](#)

Korea University
April 2020 – February 2021

Information System Security Laboratory, Korea University
Undergraduate Research Intern
Analyzed microarchitectural vulnerabilities of the CPU
Developed neural network stealing algorithm leveraging microarchitectural vulnerabilities

Prof. Junbeom Hur
March 2019 – Present

AWARD & SCHOLARSHIP

AI Drone Hackathon, Best Innovation Award, Intel, 2018
K-Startup Challenge, Promising Start-up Team Award, Ministry of Science and ICT (MSIT), 2019
AI Dataset Competition, Excellence Award, SelectStar Inc, 2020
Cyber Security Paper Competition, Grand Prize, Korea Institute of Information Security & Cryptology (KIISC), 2020

Korea Foundation for Advanced Studies (KFAS) Undergraduate Scholarship, 2019
Korea University Undergraduate Research Project Funding, 2019-2021

LANGUAGE

Fluent in English
TEPS: 525/600 (98th Percentile)
Native in Korean