

# Hoyong Jeong

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

## EDUCATION

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Korea University  
Bachelor of Computer Science and Engineering  
GPA: 4.03/4.5 (90.6/100) / Major GPA: 4.13/4.5 (92.6/100)

Seoul, Korea  
March 2017 – Present

## PUBLICATION

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

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

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**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 (11<sup>th</sup> Creative Challenger Program)**  
*Project Leader*  
Developed novel algorithm for political stance classification of Internet news articles

Korea University  
*April 2019 – February 2020*

**2020 Undergraduate Research Program (12<sup>th</sup> Creative Challenger Program)**  
*Project Leader*  
Investigated potential public Cloud vulnerabilities caused by side-channel attacks

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

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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

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