

DongWoo Goo

ELECTRONIC ENGINEERING & COMPUTER SCIENCE STUDENT

☎ (+82) 010-5472-9207 | ✉ wendy1301@naver.com | 📱 GooDongWoo

Education

B.S. in Electronic Engineering and Computer Science (Double Major)

KYUNG HEE UNIVERSITY

Seoul, Korea

Mar. 2019 - Feb. 2025

- GPA: 4.31/4.5
- Valedictorian in College of Electronics and Information

Achievements

ACADEMIC COMPETITIONS

2024

- 2024 autumn Kyung Hee University Programming Competition - Second Place
- International Collegiate Programming Contest(ICPC) Seoul Regional - Honorable mention
- Best Poster Award - Kyung Hee University Undergraduate Research Conference
- University President's Award at Graduation

Research Experience

RESEARCH PUBLICATIONS

2024

- Co-first author, "Multi-Exit Faster R-CNN(MEF): An Approach to Control the Optimal Tradeoff between Latency and Accuracy under Time-Varying Computing Resources" - Published in The Journal of Korean Institute of Communications and Information Sciences (J-KICS)

Projects

MULTI-EXIT NEURAL NETWORK PROJECTS

- Implemented dynamic ensemble strategy for multi-exit networks using PyTorch
- GitHub: me_ensemble, multi-exit-resnet, MEV, BranchyNet
- Achieved optimal trade-off between latency and accuracy

FEDERATED LEARNING RESEARCH

- Implemented FedAVG and Hierarchical FL algorithms
- Improved model performance while preserving data privacy
- GitHub: hier_FL, FedAVG

CHROME EXTENSION DEVELOPMENT

- Developed Kyunghee Score Alarm extension using JavaScript
- Automated grade checking process for university students

Technical Skills

Languages C++, Python, SQL, JavaScript

Frameworks PyTorch, TensorFlow, NumPy, Pandas

Developer Tools Git

Others LaTeX, AutoHotkey

Languages

Korean Native

English Conversational