

Juneseo Chang

Gwanak-ro, Gwanak-gu, Seoul, 08826

☎ (+82) 10-4086-1972 | ✉ jschang0215@snu.ac.kr | 🏠 jschang0215.github.io | 📱 jschang0215

Education

Seoul National University

B.S. IN COMPUTER SCIENCE AND ENGINEERING

- GPA **4.24/4.30**

Seoul, Republic of Korea

Mar. 2021 - Feb. 2025 (Expected)

Daegu Science High School

SCIENCE HIGH SCHOOL

- Graduated as Valedictorian

Daegu, Republic of Korea

2018-2021

Publications

INTERNATIONAL JOURNAL

Accuracy-Area Efficient Online Fault Detection based on Shallow/Deep-Selective Analysis for Robust Neural Network Software-Embedded Microcontrollers

TCAD (Under Review)

JUNESSEO CHANG, SEJONG OH, DAEJIN PARK

Aug. 2022

- Under Revision at IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems

Low-Power On-Chip Implementation of Enhanced SVM Algorithm for Sensors Fusion-based Activity Classification in Lightweighted Edge Devices

Electronics

JUNESSEO CHANG, MYEONGJIN KANG, DAEJIN PARK

Jan. 2022

- SCIE Q2 (Electrical and Electronic Engineering), Impact Factor 2.397

INTERNATIONAL CONFERENCE

Optimizing LLVM Transform Passes Sequence with Reinforcement Learning for Reducing Runtime Memory Profile

Under Review

JUNESSEO CHANG, DAEJIN PARK

Oct. 2022

- Under Review

Work-In-Progress: Accuracy-Area Efficient Online Fault Detection for Robust Neural Network Software-Embedded Microcontrollers

EMSOFT 2022 (To appear)

JUNESSEO CHANG, SEJONG OH, DAEJIN PARK

Oct. 2022

- ACM SIGBED International Conference on Embedded Software
- Top-tier Conference

Accelerated SVM Algorithm for Sensors Fusion-based Activity Classification in Lightweighted Edge Devices

IEEE ICCE 2022

JUNESSEO CHANG, MYEONGJIN KANG, DAEJIN PARK

Jan. 2022

- IEEE International Conference on Consumer Electronics (ICCE)

Experience

AI-SoC Lab, Kyungbook National University

UNDERGRADUATE RESEARCH INTERN

- Advisor: Prof. Daejin Park

Daegu, Republic of Korea

Sep. 2021 - Present

Honors & Awards

2021 - 2024	Presidential Science Scholarship , Korea Student Aid Foundation (KOSAF) - Awarded to top 60 freshmen in Korea, \$45000 over 4 years	<i>Republic of Korea</i>
2019 - 2020	Hansung Scholarship , Hansung Son Jae Han Foundation - Awarded to top 200 high school students in Korea, \$10000 over 2 years	<i>Republic of Korea</i>

Skills

Languages	C, C++, Python, Java, Verilog
Framework	LLVM IR, Tensorflow, Rllib
Other technologies	Bash Shell Discrete Mathematics, Computer Programming, Logic Design, Data Structure, Linear and Non-linear Computation
Relevant Courses	Models, Engineering Mathematics 1 and 2, System Programming, Computer Architecture, Algorithms, Electrical and Electronic Circuits