Juneseo Chang

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Education

Seoul National University — *Seoul, Republic of Korea*

B.S. in Computer Science and Engineering — *Mar. 2021 - Feb. 2025 (Expected)*

- GPA **4.15/4.30**

Daegu Science High School — *Daegu, Republic of Korea*

Science High School — *2018-2021*

Experience

Scalable Computer Architecture Lab, Seoul National University — *Seoul, Republic of Korea*

Undergraduate Research Intern — *Jan. 2023 - Present*

- Advisor: Prof. Jung Ho Ahn

AI-SoC Lab, Kyungbook National University — *Daegu, Republic of Korea*

Undergraduate Research Intern — *Sep. 2021 - Oct. 2022*

- Advisor: Prof. Daejin Park

Honors & Awards

2021 - 2024 **Presidential Science Scholarship**, Korea Student Aid Foundation (KOSAF) — *Republic of Korea*
- Awarded to top 60 freshmen in Korea, $45,000 over 4 years

2019 - 2020 **Hansung Scholarship**, Hansung Son Jae Han Foundation — *Republic of Korea*
- Awarded to top 200 high school students in Korea, $10,000 over 2 years

Skills

Languages C, C++, Python, Java

Framework Linux kernel, LLVM IR, Tensorflow, RLlib

Other technologies Bash Shell

Relevant Courses Advanced Computer Architecture, Compilers, Mobile Computing and Applications, Abstract Algebra, Operating Systems, Scalable High Performance Computing, Data Communications

Publications

International Conference

Work-in-Progress: Searching Optimal Compiler Optimization Passes Sequence for Reducing Runtime Memory Profile using Ensemble Reinforcement Learning — *EMSOFT 2023*

Juneseo Chang, Daejin Park — *Oct. 2023*

Work-In-Progress: Accuracy-Area Efficient Online Fault Detection for Robust Neural Network Software-Embedded Microcontrollers — *EMSOFT 2022*

Juneseo Chang, Sejong Oh, Daejin Park — *Oct. 2022*

International Journal

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

Electronics

Juneseo Chang, Myeongjin Kang, Daejin Park

Jan. 2022

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