

# Juneseo Chang

Undergraduate student, Dept. CSE at Seoul National University

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## Education

### Seoul National University

B.S. IN COMPUTER SCIENCE AND ENGINEERING

- GPA 4.16/4.30
- Including 1.5 year (2024.07 - 2026.01) of mandatory military service

Seoul, Republic of Korea

Mar. 2021 - Aug. 2026 (Expected)

### Daegu Science High School

Daegu, Republic of Korea

2018-2021

## Experience

### Scalable Computer Architecture Lab, Seoul National University

UNDERGRADUATE RESEARCH INTERN

- Advisor: Prof. Jung Ho Ahn

Seoul, Republic of Korea

Jan. 2023 - Present

### AI-SoC Lab, Kyungbook National University

UNDERGRADUATE RESEARCH INTERN

- Advisor: Prof. Daejin Park

Daegu, Republic of Korea

Sep. 2021 - Oct. 2022

## Publications

### INTERNATIONAL CONFERENCE

#### IDT: Intelligent Data Placement for Multi-Tiered Main Memory with Reinforcement Learning

JUNESSEO CHANG, WANJU DOH, YAEBIN MOON, EOJIN LEE, AND JUNG HO AHN

HPDC 2024

Mar. 2024

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

JUNESSEO CHANG, DAEJIN PARK

EMSOFT 2023

Oct. 2023

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

JUNESSEO CHANG, SEJONG OH, DAEJIN PARK

EMSOFT 2022

Oct. 2022

### INTERNATIONAL JOURNAL

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

JUNESSEO CHANG, MYEONGJIN KANG, DAEJIN PARK

Electronics

Jan. 2022

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

## Honors & Awards

2024 - 2025	<b>Semiconductor Specialized University Scholarship</b> , Korea Institute for Advancement of Technology (KIAT) - \$10,000 over 2 years	<i>Republic of Korea</i>
2021 - 2026	<b>Presidential Science Scholarship</b> , Korea Student Aid Foundation (KOSAF) - \$45,000 over 8 semesters	<i>Republic of Korea</i>
2019 - 2020	<b>Hansung Scholarship</b> , Hansung Son Jae Han Foundation - \$10,000 over 2 years	<i>Republic of Korea</i>

## Skills

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**Languages**

- C, C++
- Python, Bash
- Java

**Framework**

- Linux kernel, DAMON
- LLVM IR
- PyTorch, RLLib

**Other technologies**

- Bash Shell

**Relevant Courses**

- Advanced Computer Architecture (Graduate), Computer Architecture, Hardware System Design
- Scalable High Performance Computing, Operating Systems, System Programming
- Advanced Compilers (Graduate), Compilers
- Mobile Computing and Applications, Data Communications
- Abstract Algebra, Engineering Mathematics 2 (Probability), Linear and Non-linear Computation Models
- Mathematical Foundations of Deep Neural Networks