

Geunwoo Kim

MS student
Korea University, Sejong
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EDUCATION

Mar. 2023 ~ Present	Korea University Accelerator Science <i>Advisor: Eun-San Kim</i> <i>Master Student</i> GPA: 4.36 / 4.5	Sejong, Korea
Mar. 2019 ~ Feb. 2023	Korea University Department of Electronics and Information Engineering <i>Advisor: Oh, Hyeong Cheol</i> <i>B.S. in Electronics and Information Engineering</i> GPA: 4.07 / 4.5 <i>Summa Cum Laude</i>	Sejong, Korea

RESEARCH INTERESTS

- Accelerator physics
- Beam diagnostics

RESEARCH EXPERIENCES

- Research Student at Storage Rings and Beam Physics, Helmholtz-Zentrum Berlin, Germany (Jul. 2022 ~ Aug. 2022) / Analysis of longitudinal eigenfrequency of electron beam and measurement

AWARDS AND HONORS

- Gold Award, International School on Beam Dynamics and Accelerator Technology 2023(ISBA 2023), KAERI, Korea (Aug. 2023)
- Excellence Award, 2023 Accelerator Field Training, Korea University, Korea (Jul. 2023)
- Great Honor, Korea University, Korea (Feb. 2023)
- Semester High Honors, Korea University, Korea (Jan. 2023)
- Semester High Honors, Korea University, Korea (Jul. 2022)
- Dean's list, Korea University, Korea (Feb. 2022)
- Semester High Honors, Korea University, Korea (Jan. 2022)

- Semester High Honors, Korea University, Korea (Jul. 2020)

PROJECTS

- Development of a Hand Motion Classification System using Surface EMG and IMU, Korean Institute of Information Technology, Korea / Data analysis and machine learning code design (Jun. 2020 ~ Dec. 2020)

SKILLS AND TECHNIQUES

Language Skills

- Native in Korean
- Intermediate Mid in English

Computer Skills

- Intermediate Mid in Python
- Intermediate Low in Matlab
- Intermediate Low in Verilog HDL

Simulation Tools

- CST studio suite
- Elegant (Particle Tracking Simulation)
- Ngspice and LTspice (Analog Circuit Design Tools)

TEACHING EXPERIENCE

Teaching Assistant

- General physics and exercise I (Mar. 2023 ~ Jun. 2023)
- Introduction to physics (Mar. 2023 ~ Jun. 2023)
- Conceptual physics (Mar. 2023 ~ Jun. 2023)
- Introduction to physics (Sep. 2023 ~ Dec. 2023)

MENTORING EXPERIENCE

Group Mentoring

- Fundamentals of artificial intelligence (Sep. 2022 ~ Dec. 2022)
- Signals and systems II (Mar. 2022 ~ Jun. 2022)
- General physics and exercise II (Sep. 2021 ~ Dec. 2021)
- Industrial technology innovation PBL (Mar. 2021 ~ Jun. 2021)