

Sangoh Lee

Portfolio: <https://leesangoh.github.io>
Github: <https://github.com/Leesangoh>
Last Updated : Aug 21, 2025

Email: solee@dblab.postech.ac.kr

RESEARCH INTERESTS

Highly interested in Vision-Language Action Models. Previously, I studied NLP, Knowledge Graph Question Answering, AI4DB,

EDUCATION

- Pohang University of Science and Technology (POSTECH)** Pohang, South Korea
Ph.D. in Graduate School of Artificial Intelligence; supervised by Professor Wook-Shin Han Feb 2023 - Present
- Pohang University of Science and Technology (POSTECH)** Pohang, South Korea
Bachelor of Electrical Engineering; GPA: 4.25/4.3 (Salutatorian, rank : 2/256) Feb 2019 - Feb 2023
Graduated with a perfect GPA (4.3/4.3) in major-specific courses
Graduated with the highest GPA ever in the department of Electrical Engineering
- Daegu Il Science High School (DG1S)** Daegu, South Korea
High School Diploma Feb 2017 - Feb 2019

PUBLICATION

- Kim, K., **Lee, S.**, Kim, I., and Han, W., “ASM: Harmonizing Autoregressive Model, Sampling, and Multi-dimensional Statistics Merging for Cardinality Estimation” (ACM SIGMOD 2024)
- Lee, S.**, Kim, K., and Han, W., “ASM in Action: Fast and Practical Learned Cardinality Estimation” (ACM SIGMOD 2024, Demonstration Proposals)
- Lee, S.**, Park, S., and Han, W., “SAFE: Schema-Driven Approximate Distance Join for Efficient Knowledge Graph Querying” (EMNLP main track, Suzhou, China, November 2025)

RESEARCH EXPERIENCES

- POSTECH Database Systems Laboratory** Pohang, South Korea
Research Intern - Advised by Prof. Wook-Shin Han Aug 2022 - Feb 2023
Design and implement an algorithm for sampling-based cardinality estimation from sub-plans

HONORS AND AWARDS

- SBS Cultural Foundation Scholarship (95,000,000 Won \approx 75,000\$)** Jul 2023
Scholarship awarded to students with a commendable academic record and exemplary conduct
- Postechian Fellowship (3,000,000 Won \approx 2300\$)** May 2023
Scholarship awarded to the student who achieved the highest grades and entered the POSTECH GSAI.
- Kwanjeong Scholarship(22,000,000 Won \approx 17,000\$)** Apr 2023
Scholarship awarded to students with a commendable academic record and exemplary conduct
Awarded but declined in favor of SBS Cultural Foundation Scholarship
- Awards of Proud Postechian Member with the Highest Honor** Feb 2023
Awarded to a student who have demonstrated outstanding extracurricular achievement
- Newcomb Lim Ki-Hong Design Project Best Award** Feb 2023
Awarded to students of POSTECH EE who presented outstanding research results in a design challenge
- KEC Science Education Foundation Scholarship (3,000,000 Won \approx 2,300\$)** Sep 2022
Scholarship awarded to students with a commendable academic record and exemplary conduct
- Awards of Korea Military Academy Principal** Feb 2022
Awarded to a ROND(Benchmarking of Israel’s Talpilot)’s novice who showed outstanding research results
- National Science and Technology Scholarship** Aug 2021
Scholarship awarded to students with outstanding academic ability in the field of science and engineering

PROJECTS

- dd
- sdd

TEACHING EXPERIENCES

- **Course Assistant for Deep Learning (POSTECH, AIGS538)**
Serving as a course assistant Sep 2025 - Present
- **Course Assistant for Database Management Systems (POSTECH, CSED421)**
Serving as a course assistant Feb 2023 - Jun 2023
- **Student Mentoring Program (SMP)**
Served as a tutor to teach Calculus and Linear Algebra course Feb 2020 - Jun 2022
- **Voluntary Teaching (POSTECH Volunteering Club)**
Volunteered as a physics teacher for underprivileged middle school students Aug 2019

EXTRACURRICULAR ACTIVITIES AND MISCELLANEOUS

- **CLEAR** POSTECH
Badminton Club Feb 2019 - Feb 2023
Served as club secretary from 2019 to 2022
- **MARCUS** POSTECH
Mathematics Club Sep 2019 - Feb 2022
Committee Member
- **Student Advisor** POSTECH
Student advising program for freshmen Feb 2021 - Dec 2021
Served as a mentor for one year to freshmen facilitating their transition to college life
- **Imagination and Development (InD) Program** Daegu Il Science Highschool
Group idea development festival for juniors Mar 2017 - Dec 2017
Won bronze medal

SKILLS SUMMARY

- **Languages:** Python, C/C++, SQL, Bash
- **Frameworks:** TensorFlow, Pytorch, Flutter
- **Tools:** Docker, GIT, PostgreSQL, MySQL
- **Platforms:** Linux, Mac, Windows, Arduino, Raspberry

LANGUAGES

Korean (native), English (fluent)