



# Seoyong Lee

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## Interests

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Algorithms; Elegant ideas;

## Education

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**Seoul National University** *March 2020 – Feb 2026*  
*BS in Electrical and Computer Engineering*

- GPA: 4.26/4.3

**Korea Science Academy of KAIST** *March 2017 - Feb 2020*  
*First high school in Korea for science-gifted students : Majored Physics*

- Conferred distinction for academic excellence (GPA: 4.27/4.3) - honored by the Mayor of Busan

## Experience

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**Incoming Quantitative Researcher** *Aug 2025 - 2026*

**Quantitative Trading Intern** *June 2025 – Aug 2025*  
*Jane Street* *HKG & NYC*

- First full time trader/researcher recruited from Korea by Jane Street

**Undergraduate Researcher** *Seoul, Korea*  
*Accelerated Intelligent Systems Lab (AISys), SNU* *April 2024 – Sep 2025*

- Research Focus : Approximate Graph Pattern Mining / Approximate Nearest Neighbor Search

**Data Scientist** *Seoul, Korea*  
*AB180* *Oct 2023 – Dec 2024*

**Research Scientist** *Seoul, Korea*  
*AIRS Medical* *Jan 2023 – Oct 2023*

## Publication

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**Rethinking Multiple-Query Optimization for Approximate Nearest Neighbor Search.** Preprint  
*Seoyong Lee, Taehee Kwon, Jihwan Jang, Woobeen Jo, Jinho Lee*

**AGIS: Fast Approximate Graph Pattern Mining with Structure-Informed Sampling.** VLDB 2026  
*Seoyong Lee, Jinho Lee*

## Selected Honors & Awards

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**Optimization Grand Challenge 2024** *news*   
◦ 1st place in the Combinatorial Optimization (VRP) Competition; Invited to present at the KIIE conference.

**Competitive Programming**  
◦ 2024 Samsung Collegiate Programming Cup 5th prize award  
◦ Qualified for 2021 ICPC Seoul Regional

**Scholarships**  
◦ National Science Technology Scholarship (2022~) & Scholarship for Academic Excellence (2017-2020, 2021)

**Korean Young Physicists' Tournament (KYPT 2018)**  
◦ Grand Prize (1st place), Minister of Science and ICT Award

## Skills

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**Languages:** Korean(Native), Fluent English

**Programming:** C++, Python, CUDA, Matlab

**Tools:** Pytorch, Numpy, Scipy, Gurobi, Pandas, Git, Docker, Latex