Kyoungin Baik

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Education

Sungkyunkwan University, Suwon Korea   **Feb 2021- Aug 2025**

B.S. in System Management Engineering & Computer Science and Engineering & Mathematics

* GPA: 4.21/4.5 (1st Major 4.4 / 4.5)

Research Interests

- Unsupervised reinforcement learning
- Offline reinforcement learning
- Mathematical optimal theory
- Robot learning

Experience

Optimal Lab   **May 2024 - Jan 2025**

- Undergraduate Research Intern (Advisor: Woocheol Choi)

- Sungkyunkwan University, Mathematics
- Mathematical Optimization theory research on SVGD, MPPI, Wasserstein GF
- Joint research with Prof. Sanghyun Kim, Robotics

Max Planck Institute for Demographic Research (MPIDR)   **Sep 2023 - Feb 2024**

- Korea-Germany Junior Research Fellowship Program 2023 (Director: Jisu Kim, Emilio Zagheni)

- Korea-Germany Junior Research Fellowship Program 2023 (Rostock, Germany)
- Visiting Researcher as Data Scientist & Machine learning Engineer
- One paper submitted to *'17th ACM Web Science Conference 2025'*

InfoSci Lab   **May 2023 - Sep 2023**

- Undergraduate Research Intern (Advisor: Jong-Seok Lee)

- Sungkyunkwan University, System Management Engineering
- Research on 't-Stochastic Neighbor Embedding (t-SNE)'

Veteran | Game Programming group   **Sep 2022- Jun 2023**

- Supported by SKKU Department of Computer Science and Engineering

- 1 game in '*Unreal Engine Game'* & 2 games in '*Roblox'*

Awards

Dec 2022 | Special Award

   (Metaverse Competition, Ministry of Education and National Research Foundation of Korea, COSS)

Sep 2022| 3rd place Award

   (Sungkyunkwan University Metaverse Hackathon, "Veteran")

Skills

Programming Language

   • Python (Pytorch), C, C++ (Unreal Engine), Linux Environment, MATLAB, R

Languages

   • Korean: Native
   • English: Proficient

Activities

   • Electric guitarist in a band
   • Defensive midfielder in a soccer club