Park, Sejin

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EDUCATION

Gwangju Institute of Science and Technology — Gwangju, South Korea
Ph.D. in engineering (Advisor: Prof. Hyunju Lee) — *Sept. 2022 - Feb. 2025 (expected)*
- GPA: 3.5/4.5 in School of Electrical Engineering and Computer Science

Gwangju Institute of Science and Technology — Gwangju, South Korea
M.S. in engineering (Advisor: Prof. Hyunju Lee) — *Mar. 2020 - Feb. 2022*
- GPA: 4.16/4.5 in School of Electrical Engineering and Computer Science

Dongguk University — Seoul, South Korea
Bachelor of Science in Computer Science and Engineering (Advisor: Prof. Jong Wha Joo) — *Mar. 2014 – Feb. 2020*
- GPA: 3.96/4.5 (Rank: 4/88) in Department of Computer Science and Engineering
- 4 semesters absence to fulfill military duty (Fall 2014 - Spring 2016)

EXPERIENCE

Graduate Research Student — Feb. 2020 – Present
Data Mining and Computational Biology lab at Gwangju Institute of Science and Technology — *Gwangju, South Korea*
- Teaching and Research Assistant

Undergraduate Research Student — May. 2018 – Dec. 2019
Computational biology lab at Dongguk University — *Seoul, South Korea*
- Teaching and Research Assistant
- Main programmer in an industrial project with Sam-A Aluminium Co., Ltd.

PUBLICATION

Published
- Jihee Soh, **Park, S**, and Hyunju Lee. "HIDTI: integration of heterogeneous information to predict drug-target interactions." *Scientific Reports*, 12.1 (2022): 1-12.
- **Park, S**, Soh, J., & Lee, H. (2021). "Super. FELT: supervised feature extraction learning using triplet loss for drug response prediction with multi-omics data." *BMC bioinformatics*, 22(1), 1-23.
- Song, J., Kim, D., Hong, J., Kim, G. W., Jung, J., **Park, S.**, ... & Jang, W. "Meta-analysis of polymyositis and dermatomyositis microarray data reveals novel genetic biomarkers." *Genes* 10.11 (2019): 864.

Preprinted
- **Park, S**, and Hyunju Lee. "A molecular generative model with genetic algorithm and tree search for cancer samples", https://github.com/DMCB-GIST/FasterGTS

AWARDS AND SCHOLARSHIPS

- Research Assistant Scholarship (Dec. 2021)
- Semester Honor (Spring. 2014; Spring. 2018; Spring. 2019; Fall. 2019)
- Semester Scholarship (Fall. 2014; Fall. 2019)
- SW specialized honor student Scholarship B (Fall. 2019)
- National honor student scholarship (Fall. 2018)
- Senior (A Grade) Scholarship (Class Ranking 1st; Spring. 2017)

TEACHING EXPERIENCE

- **Teaching Assistant** in "Database system," Gwangju Institute of Science and Technology (Fall. 2022)

- **Tutor** in "Data Structure," Dongguk University (Fall. 2019)

- **Teaching Assistant** in "Computer Algorithm and Practice," Dongguk University (Spring. 2019)

- **Tutor** in "Data Structures and Algorithms1," Dongguk University (Spring. 2019)

- **Teaching Assistant** in "Data Structure," Dongguk University (Fall. 2018)

RESEARCH FIELD

- Precision medicine, Drug response prediction, Representation learning, Self-Supervised learning, Graph theory