Juhyun 'Simon' Park

https://parksimon0808.github.io/ juhyunp at princeton.edu

Education

Princeton University *Princeton, NJ, USA*
M.S.E. in Computer Science (Adviser: Sanjeev Arora) *2023 - Current*
A.B. in Mathematics, Cum Laude *2017 - 2023*

Interests

LLMs, Reasoning, Machine Learning

Publication

Park, S.*, Panigrahi, A.*, Cheng, Y.*, Yu, D., Goyal, A., and Arora, S., "Generalizing from SIMPLE to HARD Visual Reasoning: Can We Mitigate Modality Imbalance in VLMs?," Preprint, 2025. [link]

Kaur, S.*, **Park, S.***, Arora, S., and Goyal, A., "Instruct-SkillMix: A Powerful Pipeline for LLM Instruction Tuning," NeurIPS 2024 Workshop **(Oral)**. [link]

Shah, V., Yu, D., Lyu, K., **Park, S.**, Ke, N. R., Mozer, M. C., Bengio, Y., Arora, S., and Goyal, A., " AI-Assisted Generation of Difficult Math Questions," NeurIPS 2024 Workshop. [link]

Park, S., "Infinite-Width 1-Layer ReLU Networks with L2 Regularization on 2D Data," Preprint, 2023. [link]

Arora, S., **Park, S.**, Jacob, D., and Chen, D., "Introduction to Machine Learning: Lecture Notes for COS324 at Princeton University," 2022. [link]

Professional Service

Reviewer NeurIPS 2024 Workshop on Fine-Tuning in Modern Machine Learning
Reviewer ICML 2024 Workshop on LLMs and Cognition

Awards

Outstanding Student Teaching Award *May 2023*
Princeton University Department of Computer Science

Shapiro Award for Academic Excellence *Sep 2019*
Princeton University, Top 3% of Class

Teaching Experience

Natural Language Processing Graduate TA *Spring 2025*
Introduction to Machine Learning Head TA *Spring 2024, Fall 2023*
Natural Language Processing Undergraduate TA *Spring 2023*
Introduction to Machine Learning Undergraduate TA *Fall 2022, Spring 2023*

Skills

Programming Languages: Fluent in Python, Java / Familiar with C, R, SQL
Natural Languages: Native in Korean / Fluent in English, Mandarin Chinese