

Suyeong Park

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RESEARCH INTEREST

My career interests are mainly on making **Trustworthy AI** for real-world applications by collaborations of information in data and knowledge from human beings. I believe ‘understanding an intrinsic attributes of things and their interactions using our knowledge’ is crucial for deploying ML models for better human-being life in real-world. Thus, I’m interested in identifying **Causality** implied on data for more reliable ML models.

EDUCATION

Ulsan National Institute of Science and Technology (UNIST) <i>Master of Science in Artificial Intelligence</i> GPA: 4.15/4.3 Advisor: Prof. Kwang In Kim and Prof. Namhoon Lee Relevant Coursework: Causal Learning & Explainable AI, Reinforcement Learning, Advanced Machine Learning Topics	Ulsan, Korea Aug. 2020 – Aug. 2022
University of Seoul <i>Bachelor of Science in Statistics and Data Science</i> GPA: 3.7/4.5 Relevant Coursework: Bayesian Statistics, Machine Learning, Deep Learning, Time Series Analysis, Multivariate Statistics, Statistical Computing, Linear Algebra, Probability Theory, Mathematical Statistics	Seoul, Korea Mar. 2015 – Feb. 2020

EXPERIENCE

AI Research Scientist, <i>CryptoLab</i> <i>Privacy-Preserving Machine Learning by Homomorphic Encryption</i>	Sep. 2023 - Present Seoul, Korea
Research Intern, <i>Lunit</i> <i>Bayesian Optimization for AutoML</i>	Jan. 2023 - Aug. 2023 Seoul, Korea
Visiting Researcher, <i>CausalML Lab@Purdue University</i> <i>Bayesian Causal Discovery</i>	Jul. 2022 - Aug. 2022 West Lafayette, US
Research Assistant, <i>MLV Lab@UNIST</i> <i>Bayesian Active Learning, Federated learning, Transfer learning, Image Attribute Estimation</i>	Aug. 2020 – Aug. 2022 Ulsan, Korea
Data Analyst and Engineer Intern, <i>Seoul Big Data Campus</i> <i>Citizen Movement and Consumption Behaviour analysis around Seoul city</i>	Mar. 2020 - Jun. 2020 Seoul, Korea
Data Analyst Intern, <i>FSC</i> <i>Data analysis with financial public data</i>	Sep. 2019 - Feb. 2020 Seoul, Korea

PUBLICATION

Active Deep Learning Guided by Efficient Gaussian Process Surrogates <i>Y. Ahn*, S. Park*, K. Kim., AAAI, 2024</i>	[paper]
Bayesian Optimization Meets Self-Distillation <i>H. Lee, H. Song, H. Lee, G. Lee, S. Park, D. Yoo., ICCV, 2023</i>	[paper]
Active Client Selection for Communication-efficient Federated Learning <i>S. Park, Master’s Thesis, 2022</i>	[paper]

PROJECTS

Privacy-Preserving Machine Learning by Homomorphic Encryption	Sep. 2023 – Present
Bayesian Optimization for Hyper-Parameter Optimization in AutoML	Jan. 2023 – Aug. 2023
Visual Common Sense Through Self-supervised Learning for Restoration of Invisible Parts in Image	April. 2021 – Aug. 2022
Causal Learning with Artificial Intelligence for genome dataset	Mar. 2021 – Dec. 2021
Citizen Movement and Consumption Behaviour analysis around Seoul city	Apr. 2020 – Jun. 2020
Data analysis with financial public data	Jan. 2020 – Feb. 2020

Last Updated: December 16, 2023