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) Ulsan, Korea
Master of Science in Artificial Intelligence *Aug. 2020 – Aug. 2022*

  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

University of Seoul Seoul, Korea
Bachelor of Science in Statistics and Data Science *Mar. 2015 – Feb. 2020*

  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

EXPERIENCE

AI Research Scientist, *CryptoLab* Sep. 2023 - Present
Privacy-Preserving Machine Learning by Homomorphic Encryption *Seoul, Korea*

Research Intern, *Lunit* Jan. 2023 - Aug. 2023
Bayesian Optimization for AutoML *Seoul, Korea*

Visiting Researcher, *CausalML Lab@Purdue University* Jul. 2022 - Aug. 2022
Bayesian Causal Discovery *West Lafayette, US*

Research Assistant, *MLV Lab@UNIST* Aug. 2020 – Aug. 2022
Bayesian Active Learning, Federated learning, Transfer learning, Image Attribute Estimation *Ulsan, Korea*

Data Analyst and Engineer Intern, *Seoul Big Data Campus* Mar. 2020 - Jun. 2020
Citizen Movement and Consumption Behaviour analysis around Seoul city *Seoul, Korea*

Data Analyst Intern, *FSC* Sep. 2019 - Feb. 2020
Data analysis with financial public data *Seoul, Korea*

PUBLICATION

Active Deep Learning Guided by Efficient Gaussian Process Surrogates [paper]
*Y. Ahn, **S. Park**, K. Kim., **AAAI**, 2024*

Bayesian Optimization Meets Self-Distillation [paper]
*H. Lee, H. Song, H. Lee, G. Lee, **S. Park**, D. Yoo., **ICCV**, 2023*

Active Client Selection for Communication-efficient Federated Learning [paper]
***S. Park**, Master's Thesis, 2022*

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