

# Suyeong Park

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## RESEARCH INTEREST

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My research interests are mainly on making more **trustworthy AI** tech using collaborations of information in data and knowledge from human beings. I believe ‘understanding an intrinsic attributes of things using our knowledge’ is crucial for deploying ML models for better human-being life in a real-world. Thus, I’m interested in identifying **Causality** of things from our data for explainable AI while overcoming the limitations of typical ML.

## EDUCATION

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### 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, Computer Vision, Principles of Deep Learning

### 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

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### Visiting Researcher

Jul. 2022 - Aug. 2022

*CausalML Lab, Purdue University*

*West Lafayette, US*

- Research Project: Bayesian Causal Discovery

### Research Assistant

Aug. 2020 – Aug. 2022

*Machine Learning and Vision Lab, UNIST*

*Ulsan, Korea*

- Research Projects: active learning, transfer learning, federated learning, image attribute estimation

### Intern, Data Analyst and Engineer

Mar. 2020 - Jun. 2020

*Seoul Big Data Campus*

*Seoul, Korea*

- Projects: Citizen Movement and Consumption Behaviour analysis around Seoul city

### Intern, Data Analyst Assistant

Sep. 2019 - Feb. 2020

*FSC (Financial Services Commission)*

*Seoul, Korea*

- Projects: Data analysis with financial public data

## PUBLICATION

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S. Park, Y. Ahn, K. Kim. **Blind** (keyword: Deep Active Learning, Bayesian) [Preprint]

*In Submission, 2022*

S. Park, **Active Client Selection for Communication-efficient Federated Learning** [\[Link\]](#) *Master's Thesis, 2022*

## PROJECTS

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**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

## TECHNICAL SKILLS

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**Languages:** Python, R, SQL (MySQL)

**Tools:** PyTorch, TensorFlow, Git, Docker, PyCharm, VSCode

**Others:** QGIS, Tableau, SAS

Last Updated: November 15, 2022