

JIYOUNG PARK

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EDUCATION

- Ph.D. in Statistics, Texas A&M University** 2021.08 - Present
- Advisor: Anirban Bhattacharya.
- Master in Mathematics, Texas A&M University** 2023.08 - Present
- Advisor: Jonathan W. Siegel.
- Bachelor of Science and Arts, Seoul National University (SNU)** 2013.03 - 2020.08
- **Major:** Statistics, Economics. **Minor:** Computer Science and Engineering.
- Graduation with honors (Summa cum laude).
- GPA (Overall, Major / Maximum): 3.96, 4.09 / 4.3

RESEARCH INTEREST

Statistical Learning Theory, Approximation Theory, Optimization, Non-Euclidean Statistics, Optimal Transport, Deep Learning Theory.

PUBLICATIONS

(* denotes equal contribution, alphabetically ordered authorship)

Published & Accepted Articles

- Jakwang Kim*, **Jiyoung Park***, Anirban Bhattacharya (2025). “Robust Estimation in metric spaces: Achieving Exponential Concentration with a Fréchet Median”. *AISTATS 2025* [Paper], [Slides], [Codes].
- **Jiyoung Park**, Ian Pelakh, Stephan Wojtowytsch (2023). “Minimum norm interpolation by perceptrs: Explicit regularization and implicit bias”. *NeurIPS 2023*. [Paper], [Slides]

Preprints

- **Jiyoung Park**, Günay Doğan (2024). “Probabilistic U-Net with Kendall Shape Spaces for Geometry-Aware Segmentations of Images”. [Arxiv]

PROFESSIONAL EXPERIENCES

Research Experiences

- NSF Math Sciences Graduate Internship. 2023.05.22 - 2023.07.28
- Hosting Facility: National Institute of Standards and Technology, Gaithersburg.
- Supervisor: Dr. Günay Doğan.
- Topic: Geometric shape analysis. [Arxiv Preprint]
- KC Machine Learning Lab, South Korea (*Research Resident*). 2019.05 - 2021.02
- Advisor: Dr. Chan Y. Park.
- Researches on Machine Learning.
- The Representation Learning in a Reinforcement Learning.

- Graph Neural Network (A blog post).

Work Experience

Naver Webtoon Corp., South Korea (*Software Engineer Intern*). 2018.07 - 2018.08

- Implemented HBase APIs for log-Data preprocessing.

TEACHING

Teaching Assistant	Texas A&M University
- Stat 689: Special topics in Statistics-Advanced Bayes (Graduate)	Spring 2025
- Stat 633: Advanced Bayesian Modeling and Computation (Graduate)	Fall 2024
- Stat 438: Bayesian Statistics (Undergrad)	Spring 2024
- Stat 445/645: Applied Biostatistics and Data Analysis (Graduate)	Fall 2022
- Stat 642: Methods of Stat II (Graduate)	Spring 2022
- Stat 652: Stat In Research II (Graduate)	Fall 2021

INVITED TALKS & SEMINARS

Princeton Machine Learning Theory Summer School (Poster Presentation). [Link]	2024.08
Optimal Transport Through the Midwest. [Link]	2024.07
Summer School on Optimal Transport and Applications. [Link]	2024.06
NeurIPS 2023 (Poster Presentation).	2023.12

AWARDS & HONORS

NeurIPS 2023 Scholar Award.	2023.12
Summa Cum Laude, Seoul National University.	2020.08
Samsung Convergence Software Course (SCSC).	2017.09 - 2020.08
- Jointly Certified by Seoul National University and Samsung Electronics.	
Bank of Korea Monetary Policy Challenge.	2017.08
- 2nd Place in Regional Qualifier & 4th Place in National Finals.	
Merit-based Scholarships, Seoul National University.	2014.03 - 2014.06, 2016.09 - 2020.02
- Scholarship Awarded Based on GPA.	
Youndang Scholarship, Youndang Scholarship Foundation.	2017.03 - 2020.02
Jeonju Scholarship, Jeonju Human Resources Development Foundation.	2016.09 - 2016.12
Work-Study Scholarship, Seoul National University.	2016.09 - 2018.08

TECHNICAL SKILLS

Programming Languages	Python, R, C, Java, Assembly Language (x86-64).
Software & Frameworks	Pytorch, Rcpp, Linux, L ^A T _E X, Git, SQL, HBase.

ADDITIONAL INFORMATION

Date of Birth	1994.04.22
Citizenship	Republic of Korea
Mandatory Military Service	Completed
Language	Korean (Native), English (Fluent)