JIYOUNG PARK

Last Update: July 10, 2025
E-Mail: wldyddl5510@tamu.edu
Website: https://wldyddl5510.github.io/

EDUCATION

Ph.D. in Statistics, Texas A&M University   2021.08 - 2026.08?
  - Advisor: Anirban Bhattacharya.

Master in Mathematics, Texas A&M University   2023.08 - 2025.12?
  - 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. "Robust Estimation in metric spaces: Achieving Exponential Concentration with a Fréchet Median". *AISTATS 2025* [Paper], [Slides], [Codes].
  - **Jiyoung Park**, Ian Pelakh, Stephan Wojtowytsch. "Minimum norm interpolation by perceptra: Explicit regularization and implicit bias". *NeurIPS 2023*. [Paper], [Slides].

Preprints
  - **Jiyoung Park**, Abhishek Roy, Jonathan W. Siegel, Anirban Bhattacharya (2025). "Acceleration via silver step-size on Riemannian manifolds with applications to Wasserstein space". [Arxiv]
  - **Jiyoung Park**, Günay Doğan (2024). "Probabilistic U-Net with Kendall Shape Spaces for Geometry-Aware Segmentations of Images". [Arxiv]

PROFESSIONAL EXPERIENCES

Reviewer
NeurIPS 2025.

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.

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

AISTATS 2025 (Poster Presentation).	2025.05
Princeton Machine Learning Theory Summer School (Poster Presentation). [Info]	2024.08
Optimal Transport Through the Midwest. [Info]	2024.07
Summer School on Optimal Transport and Applications. [Info]	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, LaTeX, Git, SQL, HBase.

ADDITIONAL INFORMATION

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