

JIYOUNG PARK

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Github: <https://github.com/wldyddl5510>

EDUCATION

Ph.D. in Statistics, Texas A&M University 2021.08 - Present

- Advisor: Dr. Anirban Bhattacharya

Bachelor of Science and Arts, Seoul National University (SNU) 2013.03 - 2020.08

- Major: Statistics (College of Natural Science), Economics (College of Social Science)
- Minor: Computer Science and Engineering (College of Engineering)
- Graduation with honors (Summa cum laude)
- GPA (Overall, Major / Maximum): 3.96, 4.09 / 4.3

RESEARCH INTEREST

Optimal Transport Theory

Geometric & Topological Approaches in Statistics and Machine Learning

Asymptotic & Approximation Theory

PUBLICATIONS

In Progress

- **Jiyoung Park**, Ian Pelakh, Stephan Wojtowytsch (2023?). Implicit Bias and Explicit Regularization: A Case Study in Optimization Using Known Minimum Norm Interpolants.

TEACHING

Teaching Assistant

Texas A&M University

- Stat 445/645: Applied Biostatistics and Data Analysis Fall 2022
- Stat 642: Methods of Stat II Spring 2022
- Stat 652: Stat In Research II Fall 2021

PROFESSIONAL EXPERIENCES

Research Experiences

KC Machine Learning Lab, South Korea (*Research Resident*) 2019.05 - Present

- Advisor: Dr. Chan Y. Park
- Researches on Machine Learning
 - The Representation Learning in a Reinforcement Learning
 - Graph Neural Network

Biostatistics Lab, SNU (*Undergrad Intern*) 2019.03 - 2019.08

- Advisor: Dr. Myunghee Cho Paik
- Anomaly Detection in a Network Flow
 - Applying the autoencoder based anomaly detection algorithm
 - Charged in data preprocessing

Time Series and Predictive Analytics Lab, SNU (<i>Undergrad Intern</i>)	2018.12 - 2019.02
- Advisor: Dr. Sangyeol Lee	
- Prediction of Air Pollution Using RNN	
- Fitted an RNN model to predict air pollution levels	
- Compared the performance with a SARIMA model	
Spatial Statistics Lab, SNU (<i>Undergrad Intern</i>)	2017.12 - 2018.02
- Advisor: Dr. Chae Young Lim	
- Bayesian Disease Mapping to Korea Schizophrenia data	
- Tested a significance of spatial correlations for the incidence rates of Schizophrenia in South Korea	
- Fitted a bayesian hierarchical regression model on incidence rates	
Work Experience	
NAVER WEBTOON Corp., Korea (<i>Software Engineer Intern</i>)	2018.07 - 2018.08
- Implemented HBase APIs for log-Data preprocessing	

HONORS & SCHOLARSHIPS

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, Repp, Linux, L ^A T _E X, Git, SQL, HBase

EXTRACURRICULAR ACTIVITIES

SNU Financial and Economic Research Seminar (SFERS)	2016.09 - 2017.12
- Analysis of the Labor Market Equilibrium Under Foreign Labor Influx (<i>Team Director</i>)	2017.09 - 2017.12
- Analysis on Relation Between Decentralization and Economical Growth (<i>Deputy Team Director</i>)	2017.03 - 2017.06
- Analysis and Policy Proposal for Inequality of Income in Korea Using Gini-Coefficient Decomposition of Source of Income (<i>Team Member</i>)	2016.09 - 2016.12
Republic of Korea Auxiliary Police	2014.09 - 2016.06
Joong-bu Security Patrol, Seoul Metropolitan Police Agency	
- Discharged as a Sugyeong (Equivalent to a Sergeant in Republic of Korea Army)	

Volunteering

- Cooking Class Assistant for Students with Disabilities 2019.03 - 2019.06
- Teaching Volunteer for Multicultural Students 2014.03 - 2014.06

SNU Festival Planning Organization

- PR Team: Team Member (13.08-14.01), Leader (14.01-14.06) 2013.08 - 2014.06

ADDITIONAL INFORMATION

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