SEONG JIN LEE

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EDUCATION

University of North Carolina - Chapel Hill August 2021 - Present
Ph.D in Statistics and Operations Research
- Advisor : *Prof. Yufeng Liu and Prof. Will Wei Sun (at Purdue University)*

Seoul National University Mar 2014 - Feb 2021
B.S in Statistics, Summa cum laude
- Leave of Absence due to Alternative Military Services Aug 2016 - Aug 2018

Seoul Science High School Mar 2011 - Feb 2014

AREAS OF INTERESTS

Statistical Learning, Reinforcement Learning, Online Decision Making, Data Privacy, Missing Data Analysis, Online Advertising

RELATED EXPERIENCE

Research Software Enigineer Intern May 2023 - Aug 2023
Moloco, Seattle Office
- Worked on statistical formulation the RTB ecosystem in Bidder team.
- Worked on optimal bidding formula under dependency of utility and market condition.
- Worked on formulating optimal auction strategies in Advertising-based Video on Demand (AVOD) -
Advisor : *Dr. Bumsik Kim*

Software Enigineer Intern May 2022 - Aug 2022
Moloco, Seattle Office
- Worked on statistical formulation the RTB ecosystem in Bidder team.
- Implemented iterative methods for optimal bidding price formulation.
- Advisor : *Dr. Bumsik Kim*

Research Assistant Mar 2021 - Aug 2021
Multivariate Statistics Laboratory, SNU
- Methods on High Dimensional Regression with Missing Data
- Advisor : *Prof. Johan Lim*

Undergraduate Research Internship Program Jul 2020 - Feb 2021
Multivariate Statistics Laboratory, SNU
- Differentially private methods on estimation of covariance matrices.
- Advisor : *Prof. Johan Lim*

Statistical Analysis Research Assistant Jun 2020 - Dec 2020
Joongmin Foundation
- Statistical Analysis of survey on the COVID-19 from 30 cities worldwide.
- Advisor : *Prof. Sang-Jin Han*
- Funded by *The National Research Foundation of Korea*

Operations and Data Science Intern Dec 2018 - Jun 2019
Moloco, Seoul Office
- Built a machine learning model that predicts mobile user's age and gender.
- Advisor : *Dr. Duk-Soon Oh*

SCHOLARSHIPS AND AWARDS

Cambanis-Hoeffding-Nicholson Award Dec 2022
Department of Statistics and Operations Research
- In recognition of superior academic performance in the first-year doctoral program.

Presidential Science Scholarship 2014 - 2019
Korean Student Aid Foundation

Dean's List Fall 2015, Fall 2018, Fall 2019
College of Natural Sciences, SNU

Silver Medal, Korean Mathematical Olympiad 2012
Korean Mathematical Society

TEACHING EXPERIENCE

Teaching Assistant, *UNC*
- STOR 565, Machine Learning Fall 2023

Lab Instructor, *UNC*
- STOR 120, Foundations of Statistics and Data Science Fall 2022

Teaching Assistant, *UNC*
- STOR 455, Methods of Data Analysis Spring 2022

SKILLS

Programming Languages	R, Python, Julia, SQL, Go, MATLAB, C
Languages	Korean, English

OTHER EXPERIENCE

Volunteer Mentoring Dec 2014 - Jan 2015
Dream Camp, Dream Consultant
- Mentored students about their career at Shinpyeong High School.

Social Service Agent, Alternative Military Service Sep 2016 - Aug 2018
Seoul Immigration Office, Investigation Division
- Supported immigration officers in the investigation process including English translation.