Eugene Han

eugeneh2@illinois.edu · eugenehan.github.io

EDUCATION

University of Illinois at Urbana-Champaign, Urbana-Champaign, IL — May 2025
Ph.D. Statistics

University of Illinois at Urbana-Champaign, Urbana-Champaign, IL — May 2021
M.S. Statistics — GPA: 3.90/4

Carnegie Mellon University, Pittsburgh, PA — May 2019
B.S. Mathematical Sciences with MCS Research Honors — GPA: 3.20/4
Additional Major in Statistics, Minor in Computer Science

HONORS & AWARDS

Dean's List (High Honors) — Spring 2019 (2018)
Top 20% on the Putnam Mathematical Competition (score: 11, 13) — Dec 2017, 2018
Recipient of the Harris Award at HackCMU — Sep 2015

RESEARCH EXPERIENCE

University of Illinois at Urbana-Champaign, Department of Statistics — Mar 2020 - Present
Advisor: Ruoqing Zhu
- Developed an algorithm to find the ML parameter estimates for the Fisher-Bingham distribution
- Modeled microbiome data on the hypersphere while incorporating natural genetic taxonomy

Carnegie Mellon University, Department of Mathematical Sciences — Oct 2016 - Dec 2017
Advisor: David Offner
- Found the upper bound for a specific class of linear polychromatic colorings of the hypercube
- Developed an algorithm to discover better lower bounds of previously known cases

PUBLICATION

E. Han and D. Offner, Linear d-polychromatic Q_{d-1}-colorings of the Hypercube, *Graphs and Combinatorics*, 34 (2018) 791-801.

TEACHING ASSISTANT

University of Illinois at Urbana-Champaign, Department of Statistics:
STAT 510: Mathematical Statistics — Fall 2021
STAT 424: Statistical Modeling in R — Summer 2021

Carnegie Mellon University, Department of Computer Science:
15-351/15-650/02-613: Algorithms & Advanced Data Structures — Fall 2018
15-122: Principles of Imperative Computation — Spring, Summer*, Fall 2017
- semester spent as head TA

PROFESSIONAL EXPERIENCE

Locus Analytics, New York, NY — Jun 2018 - Aug 2018
Data Analytics Intern
- Developed classification models to assign job postings to the firm's proprietary classification system
- Analyzed economic complexity of geographically proximate communities
- Presented analytics work to technical and non-technical audiences

Opticlose, New York, NY   Sep 2014 - Aug 2015

Data Analyst Intern
- Analyzed sales data for the construction of regression models for predicting the success of sale closures
- Developed a R package to assist in future model developments
- Prepared slide decks detailing the analytical results for investors

PROGRAMMING SKILLS

R, Python, C, Java, Git