Eugene Han

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EDUCATION

University of Illinois at Urbana-Champaign, Urbana-Champaign, IL · May 2021
M.S. Statistics · GPA: 3.87/4

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 EXPERIENCE

15-650 Algorithms and Advanced Data Structures, Fall 2018 · Fall 2018
Teaching Assistant
- Filled in for lectures on algorithm design and analysis when the professor was away
- Held weekly office hours, graded homeworks and exams

15-122: Principles of Imperative Computation, Summer 2017
Head Teaching Assistant · Summer 2017
- Directed teaching assistants to ensure a smooth workflow
- Led exam review sessions and performed the same tasks as listed below

Teaching Assistant · Spring, Fall 2017
- Led multiple weekly labs and recitations to teach C and basic data structures and algorithms
- Held weekly office hours, graded homeworks and exams

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