

Eugene Han

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EDUCATION

University of Illinois at Urbana-Champaign, Urbana-Champaign, IL Dec 2020
M.S. Statistics GPA: 3.83/4

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

RESEARCH EXPERIENCE

University of Illinois, Department of Statistics Mar 2020 - Present
Advisor: Ruoping Zhu
Currently examining new ways of modeling microbiome data on the hypersphere for more practical usage and inference.

Carnegie Mellon University, Department of Mathematical Sciences Oct 2016 - Dec 2017
Advisor: David Offner
I examined linear polychromatic colorings of the hypercube and found the upper bound for a specific class of colorings. I also improved some lower bounds of previously known cases. This work resulted in joint publication in *Graphs and Combinatorics*.

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

Carnegie Mellon University School of Computer Science, Pittsburgh, PA Jun 2017 - Dec 2018
Teaching Assistant, 15-650 Algorithms and Advanced Data Structures Fall 2018

- Lectured graduate students on algorithm design and analysis
- Maintained a strong academic standing while completing outside responsibilities in a fast-paced environment

Head Teaching Assistant, 15-122 Principles of Imperative Computation Summer 2017
Teaching Assistant Spring, Fall 2017

- Directed teaching assistants to ensure a smooth workflow

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

PUBLICATION

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

HONORS & AWARDS

Dean's List (High Honors)

Spring 2019 (2018)

Top 20% on the Putnam Mathematical Competition

Dec 2017, 2018

Recipient of the Harris Award at HackCMU

Sep 2015

SKILLS

Programming: R, Python, C, Java

ML/Data Technologies: TensorFlow, Keras, scikit-learn, pandas, NumPy, SciPy