Eugene Han

Linkedin: https://www.linkedin.com/in/eugene-han-cmu   Phone: (201) 841-2870
Website: https://eugenehan.github.io   Email: eugeneh@andrew.cmu.edu

EDUCATION	**Carnegie Mellon University**, Pittsburgh, PA	
	Bachelor of Science in Mathematical Sciences	**Aug 2015 - May 2019**
	Additional Major in Computer Science, Minor in Computational Finance	

RELEVANT COURSEWORK

CS: Great Theoretical Ideas in Computer Science, Practical Data Science, Functional Programming, Principles of Imperative Computation
Math: Algebraic Structures, Vector Analysis, Probability, Matrix Theory

SKILLS

Programming Languages: Python, R, C, Java, SML, SQL, LaTeX
Software: Mathematica, Git, MATLAB, SAS

WORK EXPERIENCE

Opticlose, New York, NY
Data Analyst   **Sep 2014 - Aug 2015**
· Analyzed sales data and built regression models in R to predict success of sale closure
· Developed a company specific library of R functions to assist in developing statistical models
· Presented analysis results to current and potential investors

BCA Math Competition Camp, Hackensack, NJ
Teaching Assistant   **June - July 2013, 2014**
· Lectured students on basic topics in combinatorics and provided one-on-one tutoring upon request
· Taught strategies on approaching competition math problems and reviewed and discussed homework solutions with the students
· Performed routine tasks including grading, proctoring, and generating exam questions

ACTIVITIES

Mathematics Research, Pittsburgh, PA
Supervised by David Offner   **Oct 2016 - Present**
· Determining new bounds for polychromatic coloring of hypercube faces

Carnegie Mellon Informatics and Mathematics Competition, Pittsburgh, PA
Executive Board   **Oct 2015 - Present**
· Organized Carnegie Mellon's first high school mathematics competition with over 150 participants
· Managed the logistics of the finances by building formulas and spreadsheets

Scotty Labs, Pittsburgh, PA
Member   **Sep 2016 - Present**
· Developing a print API that allows CMU students to print anywhere without installing drivers
· Working on the logistics to run another successful WebDevWeekend and TartanHacks

Bergen County Academies Math Team, Hackensack, NJ
Varsity Member, AMC12: 114, AIME: 5   **Sep 2011 - June 2015**
· Participated in many prestigious competitions, such as ARML and Lehigh UMC
· Volunteered by helping run the Sunday program targeted towards middle school students

HACKATHONS

HackCMU, Pittsburgh, PA
Awair, Winner of the Harris Award   **Sep 2015**
· Developed a web app that transcribes and disseminates public safety audio transmissions in real time into text
· Successfully developed a server and had it running on a virtual machine using python to create JSON text files of the transcribed audio segments to be saved into the database

Jane Street Electronic Trading Hackathon, Pittsburgh, PA   **Nov 2015**
· Developed an AI to trade on a simulated market using an ETF arbitrage strategy