

Eugene Han

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EDUCATION	Carnegie Mellon University , Pittsburgh, PA Bachelor of Science in Mathematical Sciences Additional Major in Computer Science, Minor in Computational Finance	Aug 2015 - May 2019
RELEVANT COURSEWORK	CS: Introduction to Computer Systems, Great Theoretical Ideas in Computer Science, Practical Data Science, Functional Programming, Principles of Imperative Computation Math: Intro to Computational Finance, Real Analysis, Algebraic Structures, Combinatorics, Vector Analysis, Probability, Matrix Theory	
SKILLS	Programming Languages: Python, R, C, Java, SML, SQL, \LaTeX Software: Mathematica, Git, MATLAB, SAS	
WORK EXPERIENCE	CMU School of Computer Science, Pittsburgh, PA <i>15-122 Teaching Assistant</i> <ul style="list-style-type: none">• Lead lab sessions for 15-122 Principles of Imperative Computation• Grade homeworks, exams, and hold weekly office hours for additional help Opticlose , New York, NY <i>Data Analyst</i> <ul style="list-style-type: none">• 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 investors BCA Math Competition Camp , Hackensack, NJ <i>Teaching Assistant</i> <ul style="list-style-type: none">• 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	Jan 2017 - Present Sep 2014 - Aug 2015 June - July 2013, 2014
ACTIVITIES	Mathematics Research , Pittsburgh, PA <i>Supervised by David Offner</i> <ul style="list-style-type: none">• Determining new bounds for polychromatic coloring of hypercube faces Carnegie Mellon Informatics and Mathematics Competition , Pittsburgh, PA <i>Executive Board</i> <ul style="list-style-type: none">• 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 <i>Member</i> <ul style="list-style-type: none">• 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	Oct 2016 - Present Oct 2015 - Present Sep 2016 - Present
PROJECTS	15-388 Practical Data Science <i>Final Project</i> <ul style="list-style-type: none">• Developed an algorithmic trading strategy in Python and backtested it on historical data• Wrote an IPython notebook detailing the process of our algorithm's development HackCMU , Pittsburgh, PA <i>Awar, Winner of the Harris Award</i> <ul style="list-style-type: none">• Developed a web app that transcribes public safety audio transmissions in real time to text• Successfully built a server to format segmented audio text files to be saved into a database Jane Street Electronic Trading Hackathon , Pittsburgh, PA <ul style="list-style-type: none">• Developed an AI to trade on a simulated market using an ETF arbitrage strategy	Dec 2016 Sep 2015 Nov 2015