

## Allen Wu

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EDUCATION	<b>Stanford University</b> , Chicago, IL MS, Management Science & Engineering	2016-2018
	<b>University of Chicago</b> , Chicago, IL <i>Bachelor of Arts</i> , Mathematics, Phi Beta Kappa GPA: 3.89/4.00 Relevant Coursework: Honors Calculus I-III, Analysis in $\mathbb{R}^n$ I-III, Honors Basic Algebra I-III, Partial Differential Equations, Optimization, Cognitive Psychology	2011-2015
EXPERIENCE	<i>Trader</i> <b>Elk Capital Markets</b> <ul style="list-style-type: none"><li>• Developed software with friends for ETF trading on ARCA and NYSE, focusing particularly on the GUI.</li><li>• Tested and executed said software, running a handful of simple arbitrage strategies and debugging when necessary.</li><li>• Provided input on potential new strategies to execute.</li></ul>	Summer 2015
	<i>Intern</i> <b>Sandia National Laboratory</b> , Resilience and Regulatory Effects <ul style="list-style-type: none"><li>• Researched new developments in economic modeling and discussed the efficacy of various models with mentor.</li><li>• Wrote code that filtered, analyzed, and consolidated public data sets, then quickly and iteratively produced relevant graphics.</li></ul>	Summer 2014
	<i>Student</i> <b>Undergraduate Mathematics REU</b> , University of Chicago <ul style="list-style-type: none"><li>• Attended introductory lectures to higher mathematics and occasionally specialized lectures on various topics.</li><li>• Researched number theory under the guidance of a graduate student mentor.</li></ul>	Summer 2012
	<i>Intern</i> <b>Los Alamos National Laboratory</b> , T-Division <ul style="list-style-type: none"><li>• Wrote a Java program that read data from input arrays and interpolated finite element density graphs. The program rotated, deformed, and translated systems of particles in one and two dimensions.</li><li>• Adjusted program specifications and inputs to test the boundaries of the methodology and analyze its flaws regarding collision modeling.</li><li>• Researched the mathematical foundations of the method and discussed them with mentor.</li></ul>	Summer 2010
	<b>SKILLS</b> <i>Programming:</i> Python, C++, Java, R, Stata <i>Software:</i> Excel, OpenOffice	

**INTERESTS**

Magic: the Gathering (silver-level professional), writing, Miranda July, the Mountain Goats