Allen Wu

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EDUCATION

Stanford University, Palo Alto, CA 2016-2018
MS, Management Science & Engineering
Current Coursework: Deep Learning, Mining Massive Data Sets, Financial Risk Analytics, Engineering Risk Analysis, Functional Programming in Clojure
GPA: 3.88/4.00

University of Chicago, Chicago, IL 2011-2015
Bachelor of Arts, Mathematics, Phi Beta Kappa
GPA: 3.89/4.00

EXPERIENCE

Game Designer Fall 2017
Wizards of the Coast, Play Design
- Tested, developed, and designed future Magic: the Gathering sets for fun, competitive balance, and replayability.
- Designed Joust, a product to facilitate entry into competitive play.
- Built tools to analyze internal testing, card files, and external tournament results. Advised competitive policy and design goals.

Semi-Professional Magic Player 2015-present
- Competed on the Professional Tour for Magic: the Gathering, a card game requiring extensive probabilistic decision analysis and optimization.
- Built sheets to analyze both tournament data and personal testing results, forecasting metagame trends and finding the strongest strategies.
- Achieved Silver-level Pro status in 2016 and 2017. Ranked 15^{th} on the unofficial ELO leaderboard. 2 Grand Prix Top 8s with 1 win.

Intern Summer 2014
Sandia National Laboratory, Resilience and Regulatory Effects
- Researched new developments in economic modeling and discussed the strengths and weaknesses of different models with a mentor.
- Acquired, filtered, consolidated, and analyzed public data sets.

Intern Summer 2010
Los Alamos National Laboratory, T-Division
- Wrote a Java program to model fluid dynamics in collisions using finite element methodology in one and two dimensions.
- Tinkered with the program to test the boundaries of the method.

SKILLS

Programming: Python, Julia, Java
Statistical Analysis: Excel, Google Sheets, R, Stata
Software: LaTeX, Powerpoint, OpenOffice

INTERESTS

biking, yoga, board games, George Saunders, Miranda July, the Mountain Goats