

EDUCATION

Stanford University | Stanford, CA

September 2015 – June 2019

- **Major:** Bachelor of Science in Computer Science | **GPA:** 3.54 / 4.0
- **Relevant Coursework:** Programming Abstractions, Discrete Math, Computability Theory, Linear Algebra, Multivariable Calculus, Probability, Systems, Electronics, Databases, Crypto Currencies, Game Theory

EXPERIENCE

Upstart | Software Engineer Intern | San Carlos, CA

June 2016 – August 2016

- Developed an advanced warning system to identify 35% of borrowers at risk of early payment fail bankruptcy
- Created a “financial fitness” metric dashboard that tracks a borrower’s FICO score and credit card debt over time
- Built features to retract borrower hardship plans and credit automated clearing house (ACH)

PROJECTS

Emergent: Deep Learning for Epidemic Treatment Center Deployment

August 2016

- Predicts where to deploy treatment centers under constraints such as time, funds, and availability of doctors
- Visualizes the effect of the placement of treatment centers on how an epidemic spreads over time

Markdown: Repricing Software for Amazon Sellers

July 2015

- Increases sales by 21% by monitoring and automatically updating inventory prices according to the current market
- Calculates the optimal price of items after considering competitors’ profiles, condition, and Amazon fees

Securities and Exchange Commission (SEC) Parser

November 2015

- Extracts financial statements from annual (10-K) and quarterly (10-Q) SEC reports on the EDGAR database
- Calculates P/E ratio, enterprise value, EBITDA, free cash flow, and other financial metrics for the Wilshire 5000 index

Slip: Integrating Lecture Slides and Videos

February 2016

- Maps lecture slides to the same points in the lecture video where the concept is being explained with 90-95% accuracy
- Helps students study for class by letting them navigate between class notes, slides, and videos with a single click

LEADERSHIP

Association for Computing Machinery | President

October 2015 – Present

- Organized the ACM Enigma Puzzlehunt, a competition to test logic riddle and mystery solving skills, for 97 students
- Coordinated industry tech talks and technical workshops such as React.js and Semantic UI
- Started weekly code golf challenges for students to solve using the fewest number of characters

Stanford Blyth Fund | Portfolio Manager

October 2015 – May 2016

- Portfolio Manager: Led the Tech Long/Short coverage group to research and invest in NVIDIA
- Equity Analyst: Research catalysts for NVIDIA, Facebook, Adobe and pitched the stocks to the board of directors
- Risk Management Team: Developed a free cash flow calculator to recommend potential companies to invest in

Stanford Review | Editor

May 2016 – Present

- Wrote articles that promote debate about campus and national issues not represented by traditional publications

HONORS & AWARDS

Platinum Division – USA Computing Olympiad | International

January 2016

- Top 303 in the world, Top 112 in the U.S.

1st Place – Lockheed Martin Code Quest Competition | National

April 2015

- 1st Place out of 512 competitors and 7 Lockheed Martin sites

1st Place – Hewlett-Packard CodeWars Competition | National

March 2014

- 1st Place out of 147 teams

Finalist – TreeHacks Winter 2016 | National

February 2016

- Top 8 finalist out of 85 teams; won best first time hackathon hack and Intuit sponsor award

SKILLS

Technical Skills: (in order of proficiency)

- **Programming Languages:** Java, Python, Ruby, C/C++, HTML5/CSS3, Javascript, LaTeX
- **Frameworks:** Unix, Git, Ruby on Rails, PostgreSQL, jQuery, Flask, D3.js, AngularJS, Node.js, MongoDB

Languages: Limited working proficiency in Mandarin Chinese and Spanish.