

Education

New York University, August 2018 - Present

PhD in Computer Science, Advisor: Claudio Silva, GPA: 3.8

Honors: Provost Graduate Fellowship, Program Committee for 2nd International Workshop on Big Data Analytics for Cybercrime Investigation and Prevention, Visualization, Imaging and Data Analytics Center

Pomona College, August 2014 - May 2018

Bachelors of Arts in Mathematics, Economics (Double Major), GPA: 3.5

Honors: Distinction in Mathematics Senior Exercise, Silicon Valley Program

Student Investment Fund (Managing Director), Pomona Sports Analytics Club (Founder), Pomona Ventures

Experience

Big League Advance, *Data Science Intern*, June 2019 - August 2019

- Developed projection systems to support profitable betting operations in baseball and football
- Engineered cloud based data ingestion and data delivery pipelines
- Deployed accurate machine learning models to predict American football outcomes

Philadelphia Phillies, *Research & Development Associate*, May 2017 - August 2018

- Engineered machine learning pipelines, currently in use, to spearhead player analysis and development
- Lead analyst, as an intern, on over 5 self-started projects involving numerical, textual and audio data
- Collaborated with the general manager, coaching staff and analysts on roster and strategy decisions

CrunchFund, *Analyst Intern*, January 2017 - May 2017

- Met with over 30 prospective startups alongside partners and principals
- Produced over 20 written analyses to guide allocation of millions of dollars in seed funding
- Engaged with portfolio companies for strategy and hiring decisions

Oak Ridge National Laboratory, *Research Assistant*, May 2016 - August 2016

- Conducted research in large scale analytics on high-performance computing infrastructures
- Worked extensively with the TITAN supercomputer, the most powerful in the United States
- Published two peer-reviewed research papers as a sophomore, one as first author, in IEEE Big Data

Skills

Languages: Python, R, SQL, JavaScript, Go

Techniques: Machine learning, Data visualization, Data engineering and cleaning, Web scraping, Machine learning interpretability, Econometrics, Cloud computing

Activities

- Esports analytics pipeline to analyze CS:GO data and value players
- Soccer event data scraping and analysis
- Baseball video classification to identify pitch type
- Open-source machine learning interpretability methods
- Interactive visualization of computer science research communities using d3
- Tutor at DREAM, a charter school funded by MLB to serve students in East Harlem