

Education

New York University, August 2018 - Present

PhD in Computer Science, Advisor: Claudio Silva

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

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

- Developed machine learning models, currently in use, to guide player analysis and acquisition
- Lead analyst 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, 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

The Company Lab, Analyst, May 2015 - July 2015

- Worked closely with over 5 startups to solve problems related to finance, strategy and marketing
- Created pitch decks for investors and detailed financial projections
- Startups received over a million dollars in both funding by the end of the program

Skills

Languages: Python (TensorFlow, Keras, scikit-learn), R, SQL, C

Techniques: Neural Networks, Tree Based Methods, Time Series, Simulation

Publications

On-Demand Data Analytics in HPC Environments at Leadership Computing Facilities: Challenges and Experiences

J. Harney, S.H. Lim, S. Sukumar, D. Stansberry, P. Xenopoulos

2016 IEEE International Conference on Big Data

Big Data Analytics on HPC Architectures: Performance and Cost

P. Xenopoulos, J. Daniel, M. Matheson, S. Sukumar

2016 IEEE International Conference on Big Data

Introducing DeepBalance: Random Deep Belief Network Ensembles to Address Class Imbalance

P. Xenopoulos

2017 IEEE International Conference on Big Data