

## Peter Xenopoulos

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CONTACT INFORMATION 143 Mott Street, Apt. 5 502-445-6688  
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Web: [www.peterxeno.com](http://www.peterxeno.com)  
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LinkedIn: <https://www.linkedin.com/in/xenopoulos>  
Blog: <https://medium.com/@peterx>

RESEARCH INTERESTS Design, development and evaluation of computer systems for fast, reliable and cost-effective data-intensive computing, imbalanced classification, tree based methods, sports analytics

EDUCATION **Pomona College**, Claremont, CA  
B.A., Mathematics, Economics, May 2018

- Distinction in Mathematics Senior Exercise
- Relevant Coursework: Parallel & High Performance Computing (graduate), Big Data Platforms & Applications, Computational Statistics, Probability, Statistical Inference, Time Series Analysis (graduate), Econometrics
- GPA: 3.5, Distinction in Mathematics Senior Exercise

**NYU Tandon School of Engineering**, Brooklyn, NY  
Ph.D., Computer Science, September 2018 - May 2023 (Expected)

- Advisor: Claudio Silva
- Visualization, Imaging and Data Analytics Center, Recipient of Provost Graduate Fellowship

RESEARCH EXPERIENCE **Research and Development Associate** May 2017 to August 2018  
Research and Development Group,  
Philadelphia Phillies  
Supervisor: Andy Galdi  
**Research Assistant** May 2016 to August 2016  
Advanced Data and Workflows Group,  
National Center for Computational Sciences,  
Oak Ridge National Laboratory  
Supervisor: Sreenivas Sukumar, Ph.D

PUBLICATIONS

1. J. Harney, S.H. Lim, S. Sukumar, D. Stansberry, **P. Xenopoulos**, “On-Demand Data Analytics in HPC Environments at Leadership Computing Facilities: Challenges and Experiences”, *IEEE International Conference on Big Data*, 2016.
2. **P. Xenopoulos**, J. Daniel, M. Matheson, S. Sukumar, “Big Data Analytics on HPC Architectures: Performance and Cost”, *IEEE International Conference on Big Data*, 2016.
3. **P. Xenopoulos**. “Introducing DeepBalance: Random Deep Belief Network Ensembles to Address Class Imbalance”. *IEEE Conference on Big Data*, 2017.

PAPERS IN PREPARATION

1. **P. Xenopoulos**, “Time Series Analysis of Resource Failure in HPC Environments”
2. **P. Xenopoulos**, “Performance Variability in the Cloud and Effects on Data Intensive Workloads”

SKILLS	<i>Languages:</i> R, Python, C, SQL, MATLAB <i>Environments &amp; Software:</i> AWS, HPC environments
PROFESSIONAL ASSOCIATIONS	IEEE, ACM, ASA
PROGRAM COMMITTEES	Program Committee for 2nd International Workshop on Big Data Analytics for Cybercrime Investigation and Prevention at the 2018 IEEE International Conference on Big Data
PROJECTS	<p><b>Sabermetrics</b> <span style="float: right;">February 2015 to May 2017</span>  <i>Sabermetrics</i> is an R package dedicated to providing basic functions for analysis of baseball data.  <a href="https://github.com/peterxeno/sabermetrics-package">https://github.com/peterxeno/sabermetrics-package</a></p> <p><b>Personal Blog</b> <span style="float: right;">April 2017 to present</span>  Started a personal blog to translate technical topics regarding data science, computing and venture capital in a short and humorous tone. Gained thousands of views on articles.  <a href="https://medium.com/@peterx">https://medium.com/@peterx</a></p>
TEACHING EXPERIENCE	<p><b>Teaching Assistant</b>  ECON 167 - Econometrics (Spring 2016, Fall 2016)  MATH 058 - Introduction to Statistics (Fall 2017)  MATH 058B - Introduction to Biostatistics (Spring 2018)</p> <p><b>Grader</b>  MATH 152 - Statistical Theory (Fall 2016)  MATH 154 - Computational Statistics (Fall 2017)</p>
OTHER EXPERIENCE	<p><b>Analyst Intern, CrunchFund</b> <span style="float: right;">January 2017 to May 2017</span>  San Francisco, CA  Selected as part of the Silicon Valley Program to spend a semester working in Silicon Valley for an seed stage venture capital firm.</p> <p><b>Analyst Intern, The Company Lab</b> <span style="float: right;">May 2015 to July 2015</span>  Chattanooga, TN  Selected as part of the Launch TN program to propel technology entrepreneurship and startup culture in the economically disadvantaged urban South.</p>