

## EDUCATION

**Carnegie Mellon University**, Pittsburgh, PA*Ph.D. Candidate in Machine Learning***2012 – 2018**

- Research Advisor: Eric P. Xing

*M.Sc. in Machine Learning***2012 – 2016****California Institute of Technology**, Pasadena, CA*B.Sc. with Honor in Computer Science***2010 – 2012****Wesleyan University**, Middletown, CT*B.A. with High Honor in Physics and Mathematics***2007 – 2010**

## EMPLOYMENT

**Petuum Inc.**, Pittsburgh, PA*Senior Director of Engineering***Jul 2016 – Present**

- Strongly technical engineering leader driving the first product prototypes of the company while rapidly growing the organization to expand product scopes. Currently marshaling the work of 5 teams and front-line managers.
- Led the PetuumMed Imaging team to develop best in class deep learning methods to assist radiologists in image-based diagnosis. This is part of Petuum's healthcare solution that make diagnosis and treatment recommendation by leveraging image, textual, and structured data in the forms of chest x-rays, CT scan, admission note, lab test, and others.

**Bosch Research**, Pittsburgh, PA*Research Intern***May 2016 – Aug 2016**

- Used TensorFlow on a GPU cluster to train state-of-the-art convolutional neural networks for environmental sound analysis. Published two papers in ICASSP 2017.

**Facebook**, Menlo Park, CA*Software Engineer Intern***May 2015 – Aug 2015**

- Developed a distributed machine learning backend for large-scale logistic regression using Petuum parameter server.
- Benchmarked Petuum against Facebook's internal system and open source Vowpal Wabbit; showed that Petuum achieves high system throughput and produces comparable to better models.

**Google**, Pittsburgh, PA*Software Engineer Intern***May 2013 – August 2013**

- Contributed to the Ad Quality backend; developed a hyperparameter tuning framework to optimize SmartAds training system with convex and non-convex optimization algorithms; built a web frontend for other teams to interface with the framework.

**LinkedIn**, Mountain View, CA*Software Developer Intern***June 2012 – August 2012**

- Implemented several background tasks in the payment backend using Java, Oracle SQL, Python, and Spring Framework.

## PROGRAMMING

C/C++, Python, Matlab, Java, Linux, L<sup>A</sup>T<sub>E</sub>X 2<sub>ε</sub>.