

EDUCATION	Carnegie Mellon University , Pittsburgh, PA	
	<i>Ph.D. Candidate in Machine Learning</i>	2012 – Present
	<ul style="list-style-type: none"> • Research Advisor: Eric P. Xing • Expected graduation date: May 2018 	
	<i>M.Sc. in Machine Learning</i>	2012 – 2016
	California Institute of Technology , Pasadena, CA	
	<i>B.Sc. with Honor in Computer Science</i>	2010 – 2012
	Wesleyan University , Middletown, CT	
	<i>B.A. with High Honor in Physics and Mathematics</i>	2007 – 2010
EMPLOYMENT	Petuum Inc. , Pittsburgh, PA	
	<i>Director of Product Development</i>	Dec 2016 – Present
	<ul style="list-style-type: none"> • Overseeing the development of distributed machine learning and deep learning platforms, our company's first products; co-leading the development healthcare AI. • Providing technical leadership in developing state-of-the-art deep learning methods to assist radiologists in image-based diagnosis, such as chest x-rays and CT. Developed and published the state-of-the-art method to segment the lung fields and the heart in chest x-rays with adversarial neural networks to aid diagnosis. 	
	Bosch Research , Pittsburgh, PA	
	<i>Research Intern</i>	May 2016 – Aug 2016
	<ul style="list-style-type: none"> • 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	
	<i>Software Engineer Intern</i>	May 2015 – Aug 2015
	<ul style="list-style-type: none"> • 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	
<i>Software Engineer Intern</i>	May 2013 – August 2013	
<ul style="list-style-type: none"> • 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		
<i>Software Developer Intern</i>	June 2012 – August 2012	
<ul style="list-style-type: none"> • Implemented several background tasks in the payment backend using Java, Oracle SQL, Python, and Spring Framework. 		
OpenX , Pasadena, CA		
<i>Software Developer Intern</i>	April 2012 – June 2012	
<ul style="list-style-type: none"> • Simulated a large number of users to load-test several internal servers using Erlang and Tsung; developed Tsung modules to enable Thrift protocols. 		
PROGRAMMING	C/C++, Python, Matlab, Java, Linux, L ^A T _E X 2 _ε .	