Wei Dai (David)

wdai@cs.cmu.edu, (203) 300-9086, http://daiwei89.github.io

EDUCATION		
	Carnegie Mellon University, Pittsburgh, PA	
	Ph.D. Candidate	**Aug 2012 – present**

- Expected graduation date: May 2017
- Department: Machine Learning, School of Computer Science

California Institute of Technology, Pasadena, CA

Bachelor of Science (Computer Science) **Aug 2010 – June, 2012**

Wesleyan University, Middletown, CT

Bachelor of Art (Physics and Mathematics) **Aug 2007 – May 2010**

EMPLOYMENT

Facebook, Menlo Park, CA

Software Engineering Intern **May, 2015 – Aug, 2015**

· Developed a distributed machine learning backend for large-scale logistic regression using Petuum parameter server.

Google, Pittsburgh, PA

Software Engineering Intern **May, 2013 – August, 2013**

· Contributed to the Ad Quality backend; developed hyperparameter-tuning framework to optimize SmartAds training system with convex and non-convex optimization algorithm; built web demo.

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.

OpenX, Pasadena, CA

Software Developer Intern **April 2012 – June, 2012**

· Simulated large number of users to load-test several internal servers using Erlang and Tsung; developed Tsung modules to enable Thrift protocols.

Caltech Computer Science Department, Pasadena, CA

Teaching Assistant **April 2011 – June, 2012**

· Held weekly Office Hour and grade students' work for two courses: (i) CS156a *Learning Systems*; (ii) CS11 *Computer Language Shop on C programming language.*

Research Assistant **June 2011 – September 2011**

· Contributed to the Community Seismic Network project which use machine learning algorithms to detect earthquakes on smartphones and other distributed sensors.

· Applied *coreset* to training Gaussian mixture model with expectation-maximization (EM) algorithm on smartphone acceleration data.

Argus Information & Advisory LLC, White Plains, NY

Summer Analyst Intern **June 2010 – August 2010**

· Benchmarked U.S. credit card issuers' performances and provided customer management strategies based on account-level data analysis using MySQL.

· Developed Microsoft Power Point VBA to streamline the presentation production.

PROGRAMMING C/C++, Matlab, Python, Java, Linux, LaTeX 2_ε.