

## Ms. Qiao(Adora) ZHANG

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### RESEARCH AREAS

Human Computer Interaction  
Data Mining  
Mixed-initiative Artificial Intelligence

### EDUCATION

**University of Pittsburgh** Sep 2013 - Jul 2018 (Anticipated)  
*Ph.D. Student in Computer Science*

**Beijing Normal University** Sep 2009 - Jul 2013  
*B.S in Computer Science*  
Thesis: Growth and Competition of Field Crops, A Computer Stochastic Simulation

**Coursera** Sep 2012 - Dec 2012  
Social Network Analysis, Model Thinking

### EXPERIENCES

**Teaching Assistant** Aug 2014 - Dec 2014  
*CS 1550, University of Pittsburgh*  
Led recitations, graded projects and quizzes for CS 1550, Introduction to Operating Systems.

**Teaching Assistant** Jan 2013 - May 2013  
*CS 0007, University of Pittsburgh*  
Led recitations, graded projects and exams for CS 0007, Intermediate Programming.

**Teaching Assistant** Aug 2013 - Dec 2013  
*CS 1520, University of Pittsburgh*  
Led recitations, graded projects and quizzes for CS 1520, Programming Languages for Web Applications.

**Research Assistant (Non-paid)** Sep 2012 - Jan 2013  
*Natural Language Processing Group, Tsinghua University*  
Improved a Weibo application which presents users with their tweet keywords.  
Implemented a scale-free stream graph for data visualization using Protovis library and jQuery.

### PROJECTS

**RapidBoard Virtual Keyboard** September 2014  
A virtual keyboard application for course homework with collaboration. Implemented in Java.  
Demo: <https://www.youtube.com/watch?v=MUIbU75pujY>

**Department Inventory System** Aug 2014  
An internal inventory system for department staff use written in PHP and jQuery.

**Visualization of Settlement Change in the Chifeng Region** March 2014  
A web-based visualization project with collaboration written in D3 and jQuery.

**Plant Growth and Competition Model** Apr 2013  
A plant growth and competition stochastic simulation based on two-layer ZOI model.

**Stream Graph Tool for Data Visualization** Nov 2012  
A stream graph tool for data visualization using Protovis and jQuery JavaScript Library.

**Empirical Network Analysis Project** Nov 2012  
Constructed and analyzed a network of the questionnaire application users using Gephi.

**Questionnaire Application** Sep 2011  
Developed (with collaboration) an application which allows users to generate questionnaires and invite friends to answer using Linux, PHP, MySQL and Renren.com API.

<b>SOCIAL ACTIVITIES</b>	<b>Volunteer at Baige Student Volunteer Association</b>	Sep 2009 - Sep 2011
	Served as the team leader of network department.	
	<b>Volunteer at KDD2012</b>	Aug 2011
<b>FELLOWSHIPS AND AWARDS</b>	2nd prize, The 7th Mathematical Contest in Modeling (Beijing Normal University)	May 2011
	Social Work Scholarship (Beijing Normal University)	Sep 2011
	3rd prize, The 10th Programming Contest (Beijing Normal University)	May 2012
	Arts and Sciences Fellowship (University of Pittsburgh)	Jan 2014
<b>ENGLISH PROFICIENCY</b>	<b>TOEFL</b>	
	Listening 27, Reading 27, Speaking 23, Writing 28, Total 105	Nov 2011
	<b>GRE</b>	
	Verbal 161(86%), Quantitative 163(88%), Analytical Writing 3.0(11%)	Oct 2012
	Verbal 153(57%), Quantitative 166(94%), Analytical Writing 3.5(30%)	Nov 2012
	<b>Pitt ELI English Language Comprehensibility Test for TAs/TFs</b>	
	Test Score 4: TA/TF may be certified for laboratories, recitations, and other classes.	Oct 2013
<b>SKILLS</b>	<b>Programming Languages</b>	
	C/C++, Netlogo, R, Matlab, Python, PHP, HTML/CSS, JavaScript(jQuery)	
	<b>Others</b>	
	Painting, Graphic Design, Photography	