

## Yifan Wu

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## Education

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### UNIVERSITY OF CALIFORNIA, BERKELEY

2015-PRESENT

Ph.D. candidate, Computer Science.

Advisor: Joseph M. Hellerstein

### HARVARD COLLEGE, CAMBRIDGE MA, US

2010-2014

A.B. in **Computer Science**, minor in **Economics**.

## Research Projects

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### "TELL ME MORE, INTERACTIVE DATA EXPLORATION ON RAW DATA FILES"

FALL 2014

Designed a system for interactive exploration of large time series data files to provide non-data-specialists a fast and simple mechanism to extract insight from data files.

### "SMARTMAP, A NEW VISUALIZATION OF SEARCH RESULTS"

SPRING 2013

Integrated methods in topic modeling, summary extraction and network analysis for a more informative graph visualization of search results.

### "CONNECTING THE DOTS IN THE BLOGOSPHERE"

FALL 2012

Processed Mediacloud data from the Berkman Center into a graph of blogs and articles; integrated different graph algorithms and extracted different rankings and sharing patterns from the network.

### "TOWARDS A BETTER Q GUIDE"

FALL 2012

Analyzed Harvard's course evaluation system and proposed new mechanism design based on Bayesian Truth Serum and Peer-Prediction methods.

### "GEOS-CHEM MODEL KPPA INTEGRATION"

SPRING 2014

Profiled performance of a complex codebase and ported a parallel solver for chemical kinetic systems deployed; work done at Harvard Atmospheric Chemistry Modeling Group.

## Work Experience

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### TEACHING FELLOW, HARVARD UNIVERSITY

09/2012-12/2014

- Courses: *Introduction to the Theory of Computation*, *Discrete Mathematics for Computer Science* (flipped classroom), and *Introduction to CS Using Java, I & II*;
- Responsibilities: facilitating discussions, leading sections, grading and preparing course material.

### TECHNICAL PROGRAM MANAGER INTERN, TWITTER, SAN FRANCISCO

06/2014-08/2014

- Partnered with different teams to drive a time sensitive, high impact, large scale project;
- Managed dependencies and risks in a complex system of services;

## Yifan Wu

- Drove delivery while navigating shifting priorities during company reorganization.

### **CO-FOUNDER, ED TECH STARTUP, BEIJING**

**09/2013-12/2013**

- Developed a prototype to record, store, and analyze student performance data;
- Lead market research and development with various education agencies in China.

### **SOFTWARE DEVELOPER ENGINEER INTERN, BING, MICROSOFT**

**06/2013-08/2013**

- Analyzed the state of user location relevance in Bing search;
- Prototyped different algorithms for better location understanding from mining logs;
- Shipped a pipeline component for reverse IP.

### **EXPLORER INTERN, SERVER AND TOOLS BUSINESS, MICROSOFT**

**06/2012-08/2012**

- Researched heuristics to monitor health of software updates released by the .NET servicing team;
- Programmed and tested the internal tool to monitor health of the updates, using models developed.

## Awards

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- Bok Center's Certificates of Excellence or Distinction in Teaching, Spring 2014
- Harvard College Research Program Research Fellowship, Spring 2014
- Charles C. Spackman Scholarship Fund, 2012-2013
- David Rockefeller International Experience Grant, Summer 2011