**Lydia B. Chilton**

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## Education

*PhD Candidate, Computer Science 2009-Present, University of Washington (UW)*
*Currently a visiting student at Stanford Computer Science Department with my advisor, James Landay 2014-Present.*
M.Eng. Electrical Engineering and Computer Science 2009, MIT
S.B. Electrical Engineering and Computer Science 2007, MIT
S.B. Economics 2006, MIT

## Internships

Google Knowledge Research (Mountain View, California)
September 2013-December 2013 Mentor: David Huynh

Microsoft Research Asia (Beijing, China)
September 2010-September 2011 Mentor: James Landay

Microsoft Research (Redmond, Washington, USA)
July 2010-September 2010 Mentor: Shamsi Iqbal

Microsoft Research (Redmond, Washington, USA)
April 2010-July 2010. Mentor: Jaime Teevan

## Publications

*Frenzy: Collaborative Data Organization for Creating Conference Sessions*
**Lydia B. Chilton**, Juho Kim, Paul Andre, Felicia Cordeiro, James A. Landay , Daniel S. Weld, Steven P. Dow, Robert C. Miller, Haoqi Zhang
Full paper at CHI 2014.

*Cascade: Crowdsourcing Taxonomy Creation*
**Lydia B. Chilton**, Greg Little, Darren Edge, Daniel S. Weld, James A. Landay
Full paper at CHI 2013.

*Addressing Users' Queries directly in the Web Search Results*
**Lydia B. Chilton**, Jaime Teevan
Full paper at WWW 2011.

*Task Search in a Human Computation Market*
**Lydia B. Chilton**, John J. Horton, Robert C. Miller, Shiri Azenkot
Full paper at KDD-HCOMP Workshop 2010.
*Why We Customize the Web.*

**Lydia B. Chilton**, Robert C. Miller, Greg Little, and Chen-Hsiang Yu.
Chapter In A. Cypher, M. Dontcheva, T. Lau, and J. Nichols, eds., *No Code Required: Giving Users Tools to Transform the Web*, Elsevier, 2010.

*Exploring Iterative and Parallel Human Computation Processes*
Greg Little, **Lydia B. Chilton**, Max Goldman, Robert C. Miller
Full paper at KDD-HCOMP Workshop 2010.

*TurKit: Human Computation Algorithms on Mechanical Turk*
Greg Little, **Lydia B. Chilton**, Max Goldman, Robert C. Miller
Full paper at UIST 2010.

*The Labor Economics of Paid Crowdsourcing*
John J. Horton, **Lydia B. Chilton**
Full paper at ACM E-Commerce 2010.

*Rewriting the Web with Chickenfoot*
Robert C. Miller, Michael Bolin, **Lydia B. Chilton**, Greg Little, Matthew Webber, and Chen-Hsiang Yu.
Chapter In A. Cypher, M. Dontcheva, T. Lau, and J. Nichols, eds., *No Code Required: Giving Users Tools to Transform the Web*, Elsevier, 2010.

## Teaching

CSE 473 Undergraduate Artificial Intelligence (UW)
TA Spring 2012. Instructor: Prof. Dan Weld

CSE 546 Graduate Machine Learning (UW)
TA Winter 2012. Instructor: Prof. Luke Zettlemoyer

CSE 473 Undergraduate Artificial Intelligence (UW)
TA Autumn 2011. Instructor: Prof. Luke Zettlemoyer

6.470 Web Programming Competition (MIT)

> In 2008, I established 6.470, a month-long web programming class and competition for MIT students. I was the chairman in 2008 and 2009, and a staff member and instructor for 2010. The class serves approximately 100 students with a $40,000 annual budget from sponsor contributions.

6.831 User Interface Design and Implementation (MIT)
TA Spring 2009. Instructor: Prof. Rob Miller

1.00 Introduction to Java Programming for Engineers (MIT)
Head TA Fall 2008, TA Spring 2008 Instructor: George Kocur

6.UAT Communications for all EECS Majors (MIT)
TA Fall 2007 Instructor: Tony Eng

## Invited Talks

Stanford HCI Seminar (November 2013)
Title: Key Difference between Crowdsourcing and Communitysourcing

MIT EECS Rising Academic Stars Workshop (November 2012)
Title: Cascade: Crowdsourcing Taxonomy Creation

NerdNite Seattle (October 2012)
Title: Why are jokes funny? And how do we make them? A citizen science approach to discovering the hidden structure of jokes.

**Presentations**

Lydia B. Chilton, Clayton T. Sims, Max Goldman, Greg Little, and Robert C. Miller. "Seaweed: A Web Application for Designing Economic Games." *KDD HCOMP Workshop,* 2009.

Greg Little, Lydia B. Chilton, Robert C. Miller, and Max Goldman. "TurKit: Tools for Iterative Tasks on Mechanical Turk." *KDD HCOMP Workshop,* 2009.

“Emission Market Efficiency of the OTC NOx Budget Trading Program.” Center for Energy and Environmental Policy Research Annual Conference. 2005

“Emission Allocation Methods in the OTC NOx Budget Trading Program.” Center for Energy and Environmental Policy Research Annual Conference. 2004

**Awards**

Facebook Fellowship 2013

Denice Denton Scholarship 2009-2010 (UW)

Anita Borg Scholarship 2010

Charles & Jennifer Johnson MEng Thesis Award 2009 (MIT)

Special EECS Department Recognition Award for starting 6.470 2009 (MIT)

6.170 Software Engineering – Best User Interface Award Fall 2007 (MIT)

6.UAT – Communications for EECS students - Best Overall Presentations Fall 2007 (MIT)

Burchard Scholar in the Humanities 2005 (MIT)

Charles Sun International Study Scholarship 2005 (MIT)

Undergraduate Economics Research Journal publication of my economics undergraduate thesis 2005) (MIT)

**Service**

Organizer of CrowdCamp 2013 at HCOMP 2013 (http://crowdresearch.org/crowdcamp/)

HCOMP Conference Program Committee 2013, 2014 and 2015

CrowdConf Conference Program Committee

Organizer of CrowdCamp 2013 at CSCW 2013 (http://crowdresearch.org/crowdcamp-cscw2013/)

Co-founder of the CrowdResearch community website (http://crowdresearch.org/)

Co-organizer for CHI 2011 Workshop on Crowdsourcing and Human Computation (May 8, 2011)

Webmaster for CHI 2011 (http://chi2011.org/)