

# Lydia Chilton Bio

Lydia Chilton is a 5<sup>th</sup> year PhD Student at the University of Washington, currently visiting Stanford University. She is co-advised by Dan Weld who specializes in AI at The University of Washington and James Landay who specialized in HCI at Stanford University. Lydia was an undergraduate at MIT majoring in Economics (2006) and Computer Science (2007). She did research in economics analyzing the efficient of Cap-and-Trade Emissions reduction, and she completed her MEng in Rob Miller's User Interface Design Group at MIT on end-user programming (2009).

Lydia starting doing crowdsourcing work while she was an MEng in Rob Miller's group. Her work with co-author Greg Little (MIT PhD 2011) influence Michael Bernstein and many others to do crowdsourcing work on Mechanical Turk in HCI. Her research in crowdsourcing has pushed the boundaries of what tasks we can break up into subtasks. Whereas much crowdsourcing work leverages the crowd for work that is easily parallelizable, such as labeling 1000 images, her research decomposes and crowdsources hard tasks such as creating a taxonomy that would ordinarily require one person to have a global picture of the progress.

## Relevant Publications

*Frenzy: Collaborative Data Organization for Creating Conference Sessions.*

**Lydia B. Chilton**, Juho Kim, Paul André, Felicia Cordeiro, James A. Landay, Daniel S. Weld, Steven P. Dow, Robert C. Miller, and 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.

*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.

*TurKit: Human Computation Algorithms on Mechanical Turk*

Greg Little, **Lydia B. Chilton**, Max Goldman, Robert C. Miller  
Full paper at UIST 2010.