

# Allison June Barlow Chaney

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**Email:** achaney@cs.princeton.edu

**Phone:** 213.220.0707

**Research Interests** Recommendation systems, visualization, human-computer interaction, and inference on streaming data.

**Education**                      **Princeton University**  
Ph.D. Candidate, Computer Science                      January 2014 – Present  
M.A., Computer Science                      January 2014

**Swarthmore College**  
B.A., Computer Science and B.S., Engineering                      2004 – 2008

**Experience**                      **Teaching Assistant**, Princeton University  
Interacting with Data (COS424): Developed & graded assignments, held office hours.                      Spring 2014  
Intro to Computer Science (COS126): Taught 4 hours of precept per week.                      Spring 2013

**Research Intern**, Microsoft Research                      Summer 2013  
Explored Nielsen TV panel data for group recommendation.

**Research Intern**, eBay/Hunch                      Summer 2012  
Explored personalized recommendation based on recent user context.

**Research Assistant**, Princeton University  
Developed a tool for browsing the output of topic models.                      Sept. 2010 – July 2011  
Graduate student research; see publications below.                      July 2011 – Present

**Software Engineer**, Yorba Foundation                      July 2009 – July 2010  
Worked on Shotwell, an open-source photo organizer and editor.

**Technical Director Resident**, Pixar Animation Studios                      July 2008 – July 2009  
Prepared material from past productions for Disney themepark attractions.

**Technical Skills**                      **Operating Systems:** Linux, Mac OS, Windows  
**Programming Languages:** Python, R, C/C++, Bash, SQL, CSS/HTML, Java, Javascript  
**Misc:** LaTeX, SVN, Git, Inkscape, GIMP

**Publications**                      **Real-time Topic Models for Crisis Counseling.** KDD Workshop: Data Science for Social Good, 2014.  
A. Chaney, K. Dinakar, H. Lieberman, and D. Blei.

**Poisson Trust Factorization for Incorporating Social Networks into Personalized Item Recommendation.** NIPS Workshop: What Difference Does Personalization Make?, 2013.  
A. Chaney, P. Gopalan, and D. Blei.

**A Large-scale Exploration of Group Viewing Patterns.** TVX, 2014.  
**Mining Large-scale TV Group Viewing Patterns for Group Recommendation.** Tech Report, 2013.  
A. Chaney, M. Gartrell, J. Hofman, J. Guiver, N. Koenigstein, P. Kohli, and U. Paquet.

**Visualizing topic models.** International AAAI Conference on Social Media and Weblogs, 2012.  
A. Chaney and D. Blei.