

**EDUCATION:**

2015 (expected) Ph.D. Computer Science, Tufts University  
2012 M.S. Computer Science, Tufts University  
2005 B.A. Computer Science and Mathematics, Cornell University

**PUBLICATIONS:**

Eli T. Brown and Remco Chang. *EigenSense: Saving User Effort with Active Metric Learning*. KDD 2014 Workshop on Interactive Data Exploration and Analytics (IDEA), 2014.

Eli T. Brown, Alvitta Ottley, Jieqiong Zhao, Quan Lin, Richard Souvenir, Alex Endert and Remco Chang. *Finding Waldo: Learning about Users from their Interactions*. IEEE Transactions on Visualization and Computer Graphics, 20(12):1663-1672, Dec 2014. Presented at the IEEE Conference on Visual Analytics Science and Technology (VAST), 2014.

Daniel Afergan, Evan M. Peck, Erin T. Solovey, Andrew Jenkins, Samuel W. Hincks, Eli T. Brown, Remco Chang, Robert J.K. Jacob. *Dynamic Difficulty Using Brain Metrics of Workload*. In Proceedings of the SIGCHI Conference on Human Factors in Computing Systems (CHI), pages 3797-3806, ACM, 2014. Best Paper Honorable Mention Award.

Eli T. Brown, Jingjing Liu, Carla E. Brodley and Remco Chang. *Dis-Function: Learning Distance Functions Interactively*. In Proceedings of the IEEE Conference on Visual Analytics Science and Technology (VAST), pages 83-92, IEEE, 2012.

Jingjing Liu, Eli T. Brown, Remco Chang. *Find Distance Function, Hide Model Inference*. Poster in Proceedings of the IEEE Conference on Visual Analytics Science and Technology (VAST), pages 289-290, IEEE, 2011.

**EXPERIENCE:**

2014 summer *Intern, now contractor*, Microsoft Research (MSR Redmond), mentored by Helen Wang.

2013 summer *Intern, then contractor*, Visual Analytics group at Pacific Northwest National Lab (PNNL), mentored by Alex Endert and Bill Pike.

2012-present *Research Assistant* for Prof. Remco Chang, Visual Analytics Laboratory at Tufts (VALT).

2011-2012 *Freelance web engineering*, including *Drink Craft Beer* and the *New York City Metropolitan Transit Authority*

2007-2012 *Software Engineer*, Xcitex Inc., Cambridge, MA

2005-2007 *Software Engineer*, GrammaTech Inc., Ithaca, NY

2004-2005 *Software Engineering Intern*, Multiwire Laboratories, Ltd., Ithaca, NY

2003 summer *Intern*, Cornell University Department of Crop and Soil Sciences, Ithaca, NY

2003-2005 *Consultant, Engineering Library Academic Computing Center, Ithaca, NY*

1998-2001 *Software Engineer, Rice and Associates accounting, Medford, MA*

1997 summer *Intern, Center for Information Technology and Society, Melrose, MA*

**PRESENTATIONS:**

- 2014 November Tufts Data Science Club, “Experience in Visual Analytics Research”, Medford, MA. Invited presentation.
- 2014 October BostonVIS Labs, “Finding Waldo: Learning about Users from their Interactions”, Medford, MA. Invited presentation.
- 2014 September IBM Human Computer Decision-Making Workshop, “Learning about Data and Users from Interactions”, Cambridge, MA. Invited workshop presentation.
- 2014 September Microsoft Research, “Internship Research Overview”, Redmond, WA. Internship talk.
- 2014 June Graduate Institute for Teaching, “Visualization”, Medford, MA. Teaching sample.
- 2014 May Tufts University Machine Learning Course, “Semisupervised and Metric Learning”, Medford, MA. Guest Lecture.
- 2013 August Pacific Northwest National Lab, “Internship Research Overview”, Richland, WA. Internship talk.
- 2013 July American Statistical Association’s Joint Statistical Meetings, “Human In the Loop: Iterative, Interactive Visual Model Refinement”, Montreal, QC. Invited workshop talk.
- 2012 December Virginia Polytechnic Institute (Virginia Tech), “Metric Learning with Experts for High-Dimensional Data: Progress, Problems and Possibilities”, Blacksburg, VA. Invited talk.
- 2012 October Qualifying Exam Research Talk, Tufts University, October 2012.

**HONORS/AWARDS:**

- Graduate Institute for Teaching (GIFT)*, Tufts University, 2014.
- Best Paper Honorable Mention* for Afergan et al., CHI 2014.
- Doctoral Colloquium*, IEEE Conference on Visualization 2013.
- Graduate Student Representative to the Curriculum Taskforce of the Engineering School*, Tufts University, since 2013.

**SERVICE:**

- 2014 *Paper Reviewer*, IEEE Conference on Visual Analytics Science and Technology (VAST)  
*Works In Progress Reviewer*, ACM Conference on Computer Human Interaction (CHI)
- 2013 *Paper Reviewer*, IEEE Conference on Visual Analytics Science and Technology (VAST)
- 2012 *Poster Reviewer*, IEEE Conference on Visual Analytics Science and Technology (VAST)
- 2013-present *Graduate Student Representative*, Curriculum Task Force of the Engineering School

**TEACHING:**

- 2014 fall *Co-Instructor*, Tufts University  
*With Prof. Remco Chang*, Visualization (COMP 150-VIS)
- 2014 summer *Graduate Institute for Teaching (GIFT) Fellow*, Tufts University
- 2014 spring *Guest Lecturer*, Tufts University, Machine Learning (COMP 135)

*Graduate Teaching Assistant, Tufts University*

2013 spring *With Prof. Remco Chang: Visualization (COMP 150-VIS)*

2012 fall *With Prof. Diane Souvaine: Algorithms (COMP 160)*

2011 fall *With Prof. Norman Ramsey: Machine Structure and Assembly-Language Programming  
(COMP 40)*

2011, 2012 spring *With Prof. J. Stafford: Visual Basic for Business Applications (COMP 10-VBA)*

2010 fall *Multimedia Programming with Python (COMP 10-MMP)*

2010 fall *Software Engineering (COMP 180)*

**CHARITY WORK:** Greater Boston Food Bank, volunteer  
Harbor to the Bay AIDS Ride, rider

As Philanthropy Chair (and Vice President) of Tau Kappa Epsilon fraternity, I orchestrated Cornell's largest annual Greek philanthropy event, a concert starring university a cappella groups. As Keshet board member, I coordinated and promoted charity fundraisers.

**MISCELLANEOUS:** *French proficiency*  
*Eagle Scout, Boy Scouts of America, Troop 615 Melrose, Massachusetts, 2001*