

Stephen T. Chang

Appointments

- 2015– *Associate Research Scientist*, CCIS, Northeastern University.
2014-2015 *Lecturer*, CCIS, Northeastern University.
2014-2015 *Programmer*, CCIS, Northeastern University.
2010-2014 *Research Assistant*, CCIS, Northeastern University.
2008-2010 *Teaching Assistant*, CCIS, Northeastern University.
2008 *Teaching Fellow*, SEAS, Harvard University.

Education

- 2008-2014 **Ph.D.** in Computer Science, Northeastern University
Advisor: Matthias Felleisen
Dissertation: *On the Relationship Between Laziness and Strictness*
2006-2008 **M.E.** in Computer Science, Harvard University, 3.8/4.0
1997-2001 **B.S.E.** *cum laude* in Electrical Engineering, Princeton University, 3.5/4.0

Publications

- 2017 (to appear) **Type Systems as Macros.** Stephen Chang, Alex Knauth, and Ben Greenman. In *Proceedings of the 44th Symposium on Principles of Programming Languages (POPL)*.
2014 **Profiling For Laziness.** Stephen Chang and Matthias Felleisen. In *Proceedings of the 41st Symposium on Principles of Programming Languages (POPL)*.
2013 **Laziness By Need.** Stephen Chang. In *Proceedings of the 22nd European Symposium on Programming (ESOP)*.
2012 **The Call-by-need Lambda Calculus, Revisited.** Stephen Chang and Matthias Felleisen. In *Proceedings of the 21st European Symposium on Programming (ESOP)*.
2011 **From Stack Traces to Lazy Rewriting Sequences.** Stephen Chang, Eli Barzilay, John Clements, and Matthias Felleisen. In *Revised Selected Papers of the 23rd International Symp. on Implementation and Application of Functional Languages (IFL)*.
2010 **Evaluating Call By Need on the Control Stack.** Stephen Chang, David Van Horn, and Matthias Felleisen. In *Revised Selected Papers of the 11th International Symposium on Trends in Functional Programming (TFP)*.

Professional Activities

- 2016 *Program Committee*, TFPIE.
2015 *Program Committee*, OOPSLA Artifact Evaluation.
2014 *Program Committee*, Scheme and Functional Programming Workshop.
2012– *Subreviewer*, ICFP, ESOP, JFP, PPDP, FLOPS, FoSSaCS.

Awards

- 2010 *Teaching Award*, CCIS, Northeastern University.
- 2010 *Best Student Paper*, 11th Intl. Symp. on Trends in Functional Programming (TFP).
- 2009 *Upsilon Pi Epsilon*, Intl. Honor Society for the Comp. and Information Disciplines.

Teaching

- Spring 2015 *Lead Instructor*, How to Design Programs & Classes (Masters), Northeastern University.
- Fall 2014 *Instructor*, How to Design Programs & Classes (Masters), Northeastern University.
- Spring 2010 *Lead TA*, How to Design Programs & Classes (Masters), Northeastern University.
- Fall 2009 *Teaching Assistant*, How to Design Programs & Classes (Masters), Northeastern University.
- Spring 2009 *Teaching Assistant*, How to Design Classes (Freshman), Northeastern University.
- Fall 2008 *Teaching Assistant*, How to Design Programs (Freshman), Northeastern University.
- Spring 2008 *Teaching Fellow*, CS51: Introduction to Computer Science II, Harvard University.

Additional Work Experience

- 2008 *Software Engineering Intern*, Liquid Machines, Inc., Waltham, MA.
- 2001-2006 *Software Engineer*, Teradyne, Inc., Boston, MA.