

Benjamin Lee Greenman

Northeastern University
308 West Village H
440 Huntington Avenue
Boston MA 02115
types@ccs.neu.edu
857.540.5145

Research Interests

Migratory Typing, Language Design, Type Theory, Constructions

Education

Northeastern University	2014 –
<i>Degree</i> Ph.D	
<i>Area</i> Programming Languages	
<i>Advisor</i> Matthias Felleisen	
Cornell University	2013 – 2014
<i>Degree</i> Master of Engineering	
<i>Major</i> Computer Science	
<i>Advisor</i> Ross Tate	
Cornell University	2010 – 2013
<i>Degree</i> Bachelor of Science	
<i>Major</i> Industrial and Labor Relations	
<i>Minor</i> Computer Science	
Hudson Valley Community College	2009 – 2010
<i>General Studies</i>	

Employment

Knightsbridge Park , New York NY	
☞ <i>Consultant (web scraping)</i>	2017
Cornell University , Ithaca NY	
☞ <i>Research Assistant</i>	2013 – 2014
☞ <i>Teaching Assistant for CS 3110</i>	2012 – 2014
Rentenna Inc. , New York NY	
☞ <i>Software Engineering Intern</i>	2012 – 2014

Awards

☼ <i>Northeastern CCIS Graduate Community Service Award</i>	2016
☼ <i>Cornell Computer Science Teaching Award</i>	2014
☼ <i>Cornell Computer Science Teaching Award</i>	2013

Service

☼ <i>PRL Retreat Organizer</i>	Fall 2018 – Spring 2019
☼ <i>PRL External Speaker Selection Committee</i>	Fall 2018 – Spring 2019
☼ <i>Housing Chair</i>	SPLASH 2018
☼ <i>Student Volunteer (Slack Monitor)</i>	ICFP 2018
☼ <i>CCIS Hiring Committee student representative</i>	Spring 2018
☼ <i>Student Volunteer</i>	POPL 2018
☼ <i>Artifact Evaluation Committee</i>	OOPSLA 2017
☼ <i>Artifact Evaluation Committee</i>	ECOOP 2017
☼ <i>Student Volunteer</i>	Turing Celebration 2017
☼ <i>Artifact Evaluation Committee</i>	OOPSLA 2016
☼ <i>Student Volunteer</i>	ECOOP 2016
☼ <i>Student Volunteer</i>	PLDI 2016
☼ <i>Student Volunteer</i>	POPL 2016
☼ <i>GTP Webmaster</i>	Spring 2016 – Spring 2019
☼ <i>PRL Webmaster</i>	Fall 2016 – Fall 2018
☼ <i>Student Volunteer</i>	ICFP 2015
☼ <i>Student Volunteer</i>	ECOOP 2015
☼ <i>CCIS Social Hour Czar</i>	Fall 2014 – Spring 2017

Publications

1. Ben Greenman, Asumu Takikawa, Max S. New, Daniel Feltey, Robert Bruce Findler, Jan Vitek, and Matthias Felleisen. *How to Evaluate the Performance of Gradual Type Systems* Cambridge, UK. JFP 2019
2. Preston Tunnell Wilson, Ben Greenman, Justin Pombrio, Shriram Krishnamurthi. *The Behavior of Gradual Types: A User Study* Boston, MA. DLS 2018

- | | |
|---|-------------|
| 3. Daniel Feltey, Ben Greenman, Christophe Scholliers, Robert Bruce Findler, and Vincent St. Amour.
<i>Collapsible Contracts: Fixing a Pathology of Gradual Typing</i>
Boston, MA. | OOPSLA 2018 |
| 4. Ben Greenman, Matthias Felleisen.
<i>A Spectrum of Type Soundness and Performance</i>
St. Louis, MO. | ICFP 2018 |
| 5. Ben Greenman, Zeina Migeed.
<i>On the Cost of Type-Tag Soundness</i>
Los Angeles, CA. | PEPM 2018 |
| 6. Sam Tobin-Hochstadt, Matthias Felleisen, Robert Bruce Findler, Matthew Flatt, Ben Greenman, Andrew M. Kent, Vincent St-Amour, T. Stephen Strickland, and Asumu Takikawa.
<i>Migratory Typing: 10 Years Later</i>
Monterey, CA. | SNAPL 2017 |
| 7. Stephen Chang, Ben Greenman, and Alex Knauth.
<i>Type Systems as Macros</i>
Paris, France. | POPL 2017 |
| 8. Asumu Takikawa, Daniel Feltey, Ben Greenman, Max S. New, Jan Vitek, and Matthias Felleisen.
<i>Is Sound Gradual Typing Dead?</i>
St. Petersburg, Florida. | POPL 2016 |
| 9. Asumu Takikawa, Daniel Feltey, Ben Greenman, Max S. New, Jan Vitek, and Matthias Felleisen.
<i>Position Paper: Performance Evaluation for Gradual Typing.</i>
Prague, Czech Republic. | STOP 2015 |
| 10. Ben Greenman, Fabian Muehlboeck, and Ross Tate.
<i>Getting F-Bounded Polymorphism into Shape.</i>
Edinburgh, Scotland. | PLDI 2014 |

Invited Talks

- | | |
|---|------------|
| 1. <i>Three Approaches to Gradual Typing.</i> | GRACE 2018 |
|---|------------|

Achievements

- | | |
|--|-------------|
| 🏆 1st place Pennsylvania State Birling Championship | 2018 |
| 🏆 2nd place Pennsylvania State Birling Championship | 2016, 2017 |
| 🏆 2nd place Barkpeelers Greased Pole Competition | 2015, 2018 |
| 🏆 3rd place Pennsylvania State Birling Championship | 2013, 2014 |
| 🏆 35 video game world records [link] | 2007 – 2008 |