

Benjamin Lee Greenman

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Research Interests

Migratory Typing, Language Design, Type Theory, Constructions

Education

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

Rentenna Inc., New York NY

· <i>Software Engineering Intern</i>	2012 – 2014
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Cornell University, Ithaca NY

· <i>Research Assistant</i>	2013 – 2014
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· <i>Teaching Assistant for CS 3110</i>	2012 – 2014
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Knightsbridge Park, New York NY

· <i>Consultant (web scraping)</i>	2017
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Awards

- *Cornell Computer Science Teaching Award* 2013
- *Cornell Computer Science Teaching Award* 2014
- *Northeastern CCIS Graduate Community Service Award* 2016

Service

- *CCIS Social Hour Czar* Fall 2014 – Spring 2017
- *Student Volunteer* ECOOP 2015
- *Student Volunteer* ICFP 2015
- *PRL Webmaster* Fall 2016 – Fall 2018
- *GTP Webmaster* Spring 2016 – Spring 2019
- *Student Volunteer* POPL 2016
- *Student Volunteer* PLDI 2016
- *Student Volunteer* ECOOP 2016
- *Artifact Evaluation Committee* OOPSLA 2016
- *Student Volunteer* Turing Celebration 2017
- *Artifact Evaluation Committee* ECOOP 2017
- *Artifact Evaluation Committee* OOPSLA 2017
- *Student Volunteer* POPL 2018
- *CCIS Hiring Committee student representative* Spring 2018
- *Student Volunteer (Slack Monitor)* ICFP 2018
- *Housing Chair* SPLASH 2018

Publications

Journal

- Ben Greenman, Asumu Takikawa, Max S. New, Daniel Feltey, Robert Bruce Findler, Jan Vitek, and Matthias Felleisen. JFP 2019
How to Evaluate the Performance of Gradual Type Systems
Cambridge, UK.

Conference

- Ben Greenman, Fabian Muehlboeck, and Ross Tate. PLDI 2014
Getting F-Bounded Polymorphism into Shape.
Edinburgh, Scotland.

- Asumu Takikawa, Daniel Feltey, Ben Greenman, Max S. New, Jan Vitek, and Matthias Felleisen. *Is Sound Gradual Typing Dead?* St. Petersburg, Florida. POPL 2016
- Stephen Chang, Ben Greenman, and Alex Knauth. *Type Systems as Macros* Paris, France. POPL 2017
- Sam Tobin-Hochstadt, Matthias Felleisen, Robert Bruce Findler, Matthew Flatt, Ben Greenman, Andrew M. Kent, Vincent St-Amour, T. Stephen Strickland, and Asumu Takikawa. *Migratory Typing: 10 Years Later* Monterey, CA. SNAPL 2017
- Ben Greenman, Matthias Felleisen. *A Spectrum of Type Soundness and Performance* St. Louis, MO. ICFP 2018
- Daniel Feltey, Ben Greenman, Christophe Scholliers, Robert Bruce Findler, and Vincent St. Amour. *Collapsible Contracts: Fixing a Pathology of Gradual Typing* Boston, MA. OOPSLA 2018

Workshop

- Asumu Takikawa, Daniel Feltey, Ben Greenman, Max S. New, Jan Vitek, and Matthias Felleisen. *Position Paper: Performance Evaluation for Gradual Typing.* Prague, Czech Republic. STOP 2015
- Ben Greenman, Zeina Migeed. *On the Cost of Type-Tag Soundness* Los Angeles, CA. PEPM 2018
- Preston Tunnell Wilson, Ben Greenman, Justin Pombrio, Shriram Krishnamurthi. *The Behavior of Gradual Types: A User Study* Boston, MA. DLS 2018

Invited Talks

- *Three Approaches to Gradual Typing.* GRACE 2018

Achievements

- 35 video game world records [\[link\]](#) 2007 – 2008
- 3rd place Pennsylvania State Birling Championship 2013, 2014
- 2nd place Pennsylvania State Birling Championship 2016, 2017
- 1st place Pennsylvania State Birling Championship 2018, 2019
- 2nd place Barkpeelers Greased Pole Competition 2015, 2018
- Barkpeelers Grand Champion (tied with Ben Barner) [\[link\]](#) 2018