

Benjamin Lee Greenman  
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## Research Interests

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Migratory Typing, Language Design, Type Theory, Constructions

## Education

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<b>Hudson Valley Community College</b> <i>General Studies</i>	2009 – 2010
<b>Cornell University</b> <i>Degree</i> Bachelor of Science <i>Major</i> Industrial and Labor Relations <i>Minor</i> Computer Science	2010 – 2013
<b>Cornell University</b> <i>Degree</i> Master of Engineering <i>Major</i> Computer Science <i>Advisor</i> Ross Tate	2013 – 2014
<b>Northeastern University</b> <i>Degree</i> Ph.D <i>Area</i> Programming Languages <i>Advisor</i> Matthias Felleisen <i>Thesis</i> <i>Deep and Shallow Types</i>	2014 – 2020

## Employment

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

## Awards

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- *Cornell Computer Science Teaching Award* 2013
- *Cornell Computer Science Teaching Award* 2014
- *Northeastern CCIS Graduate Community Service Award* 2016
- *CRA/CCC/NSF CI Fellowship* 2021–2023

## Service

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- *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
- *PRL Coffee Czar* Fall 2019 – Spring 2020
- *Student Volunteer* SPLASH 2019
- *PRL Offsite Organizer* with Olek Gierczak and Amal Ahmed Fall 2019
- *Reviewer* JFP Special Issue on Gradual Typing
- *Program Committee* PLDI 2021
- *Program Committee* ICFP 2021

## Publications

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### 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, United Kingdom.

### Conference and Symposium

- 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. POPL 2016  
*Is Sound Gradual Typing Dead?*  
St. Petersburg, Florida.
- Stephen Chang, Ben Greenman, and Alex Knauth. POPL 2017  
*Type Systems as Macros*  
Paris, France.
- Sam Tobin-Hochstadt, Matthias Felleisen, Robert Bruce Findler, Matthew Flatt, Ben Greenman, Andrew M. Kent, Vincent St-Amour, T. Stephen Strickland, and Asumu Takikawa. SNAPL 2017  
*Migratory Typing: 10 Years Later*  
Monterey, California.
- Ben Greenman, Zeina Migeed. PEPM 2018  
*On the Cost of Type-Tag Soundness*  
Los Angeles, California.
- Ben Greenman, Matthias Felleisen. ICFP 2018  
*A Spectrum of Type Soundness and Performance*  
St. Louis, Missouri.
- Daniel Feltey, Ben Greenman, Christophe Scholliers, Robert Bruce Findler, and Vincent St. Amour. OOPSLA 2018  
*Collapsible Contracts: Fixing a Pathology of Gradual Typing*  
Boston, Massachusetts.
- Preston Tunnell Wilson, Ben Greenman, Justin Pombrio, Shriram Krishnamurthi. DLS 2018  
*The Behavior of Gradual Types: A User Study*  
Boston, Massachusetts.
- Ben Greenman, Matthias Felleisen, and Christos Dimoulas. OOPSLA 2019  
*Complete Monitors for Gradual Types*  
Athens, Greece.

### Workshop

- Asumu Takikawa, Daniel Feltey, Ben Greenman, Max S. New, Jan Vitek, and Matthias Felleisen. STOP 2015  
*Position Paper: Performance Evaluation for Gradual Typing.*  
Prague, Czech Republic.

## Invited Talks

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- *Three Approaches to Gradual Typing.* GRACE 2018
- *Shallow Typed Racket.* Racket Con 2020

## Students Supervised

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Zeina Migeed    B.S.    Northeastern University  
Milo Davis      B.S.    Northeastern University

## Achievements

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- 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