Benjamin Lee Greenman

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Research Interests

Migratory Typing, Language Design, Type Theory, Constructions

Education

Hudson Valley Community College   2009 – 2010
General Studies

Cornell University   2010 – 2013
Degree   Bachelor of Science
Major   Industrial and Labor Relations
Minor   Computer Science

Cornell University   2013 – 2014
Degree   Master of Engineering
Major   Computer Science
Advisor   Ross Tate

Northeastern University   since 2014
Degree   Ph.D
Area   Programming Languages
Advisor   Matthias Felleisen

Employment

Rentenna Inc., New York NY

· *Software Engineering Intern*   2012 – 2014

Cornell University, Ithaca NY

· *Research Assistant*   2013 – 2014

· *Teaching Assistant for CS 3110*   2012 – 2014

Knightsbridge Park, New York NY

· *Consultant (web scraping)*   2017

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, POPL 2016
  and Matthias Felleisen.
  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, SNAPL 2017
  Ben Greenman, Andrew M. Kent, Vincent St-Amour, T. Stephen Strickland,
  and Asumu Takikawa.
  Migratory Typing: 10 Years Later
  Monterey, CA.

· Ben Greenman, Matthias Felleisen. ICFP 2018
  A Spectrum of Type Soundness and Performance
  St. Louis, MO.

· Daniel Feltey, Ben Greenman, Christophe Scholliers, Robert Bruce Findler, OOPSLA 2018
  and Vincent St. Amour.
  Collapsible Contracts: Fixing a Pathology of Gradual Typing
  Boston, MA.

Workshop

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

· Ben Greenman, Zeina Migeed. PEPM 2018
  On the Cost of Type-Tag Soundness
  Los Angeles, CA.

· Preston Tunnell Wilson, Ben Greenman, Justin Pombrio, Shriram Krishnamurthi. DLS 2018
  The Behavior of Gradual Types: A User Study
  Boston, MA.

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 Barkpeelers Greased Pole Competition 2015, 2018

· 2nd place Pennsylvania State Birling Championship 2016, 2017

· 1st place Pennsylvania State Birling Championship 2018