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
- *PRL Coffee Czar*   Fall 2019 – Spring 2020
- *Student Volunteer*   SPLASH 2019
- *PRL Offsite Organizer* with Olek Gierczak and Amal Ahmed   Fall 2019

Publications

Journal

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

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, 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,   OOPSLA 2018
  and Vincent St. Amour.
  Collapsible Contracts: Fixing a Pathology of Gradual Typing
  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,   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, California.

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

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