Benjamin Lee Greenman

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Research Interests

Migratory Typing, Language Design, Type Theory, Constructions

Education

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

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

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

Hudson Valley Community College   2009 – 2010
  General Studies

Employment

Knightsbridge Park, New York NY

  ❧ *Consultant (web scraping)*   2017

Cornell University, Ithaca NY

  ❧ *Research Assistant*   2013 – 2014

  ❧ *Teaching Assistant for CS 3110*   2012 – 2014

Rentenna Inc., New York NY

  ❧ *Software Engineering Intern*   2012 – 2014

Awards ――

   ❧ *Northeastern CCIS Graduate Community Service Award*   2016

   ❧ *Cornell Computer Science Teaching Award*   2014

   ❧ *Cornell Computer Science Teaching Award*   2013

Service ――

   ❧ *PRL Retreat Organizer*   Fall 2018 – Spring 2019

   ❧ *PRL External Speaker Selection Committee*   Fall 2018 – Spring 2019

   ❧ *Housing Chair*   SPLASH 2018

   ❧ *Student Volunteer (Slack Monitor)*   ICFP 2018

   ❧ *CCIS Hiring Committee student representative*   Spring 2018

   ❧ *Student Volunteer*   POPL 2018

   ❧ *Artifact Evaluation Committee*   OOPSLA 2017

   ❧ *Artifact Evaluation Committee*   ECOOP 2017

   ❧ *Student Volunteer*   Turing Celebration 2017

   ❧ *Artifact Evaluation Committee*   OOPSLA 2016

   ❧ *Student Volunteer*   ECOOP 2016

   ❧ *Student Volunteer*   PLDI 2016

   ❧ *Student Volunteer*   POPL 2016

   ❧ *GTP Webmaster*   Spring 2016 – Spring 2019

   ❧ *PRL Webmaster*   Fall 2016 – Fall 2018

   ❧ *Student Volunteer*   ICFP 2015

   ❧ *Student Volunteer*   ECOOP 2015

   ❧ *CCIS Social Hour Czar*   Fall 2014 – Spring 2017

Publications ――――――――――――――――――――――――――――――――――――

Journal

1. 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, UK.

Conference

1. Daniel Feltey, Ben Greenman, Christophe Scholliers, Robert Bruce Findler, and Vincent St. Amour.
   Collapsible Contracts: Fixing a Pathology of Gradual Typing
   Boston, MA.
   <div align="right">OOPSLA 2018</div>

2. Ben Greenman, Matthias Felleisen.
   A Spectrum of Type Soundness and Performance
   St. Louis, MO.
   <div align="right">ICFP 2018</div>

3. 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.
   <div align="right">SNAPL 2017</div>

4. Stephen Chang, Ben Greenman, and Alex Knauth.
   Type Systems as Macros
   Paris, France.
   <div align="right">POPL 2017</div>

5. Asumu Takikawa, Daniel Feltey, Ben Greenman, Max S. New, Jan Vitek, and Matthias Felleisen.
   Is Sound Gradual Typing Dead?
   St. Petersburg, Florida.
   <div align="right">POPL 2016</div>

6. Ben Greenman, Fabian Muehlboeck, and Ross Tate.
   Getting F-Bounded Polymorphism into Shape.
   Edinburgh, Scotland.
   <div align="right">PLDI 2014</div>

Workshop

1. Preston Tunnell Wilson, Ben Greenman, Justin Pombrio, Shriram Krishnamurthi.
   The Behavior of Gradual Types: A User Study
   Boston, MA.
   <div align="right">DLS 2018</div>

2. Ben Greenman, Zeina Migeed.
   On the Cost of Type-Tag Soundness
   Los Angeles, CA.
   <div align="right">PEPM 2018</div>

3. Asumu Takikawa, Daniel Feltey, Ben Greenman, Max S. New, Jan Vitek, and Matthias Felleisen.
   Position Paper: Performance Evaluation for Gradual Typing.
   Prague, Czech Republic.
   <div align="right">STOP 2015</div>

Invited Talks ───────────────────────────────────

1. *Three Approaches to Gradual Typing.*
   <div align="right">GRACE 2018</div>

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