

Ben Greenman
University of Utah

EDUCATION

- Northeastern University 2014 – 2020
 - Degree* Ph.D
 - Area* Programming Languages
 - Advisor* Matthias Felleisen
 - Thesis* Deep and Shallow Types
- 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

- University of Utah 2023 – ongoing
 - Assistant Professor
- Brown University 2021 – 2023
 - Postdoctoral Researcher, CIFellows 2020
- Knightsbridge Park 2017
 - Consultant, Web Scraping
- Cornell University 2012 – 2014
 - Research Assistant
- Rentenna Inc. 2012 – 2014
 - Software Engineering Intern

AWARDS

- NSF SHF: Small: Little Tricky Logics 2023 – 2025
 - role: postdoc
- CRA/CCC/NSF CI Fellowship 2021 – 2023
- SIGPLAN Student Scholarship to: 50 Years of the ACM A.M. Turing Award 2017
- Northeastern CCIS Graduate Community Service Award 2016

- Cornell CS Teaching Award 2014, 2013

PROFESSIONAL SERVICE

- Co-Chair of Artifact Evaluation Committee & ERC OOPSLA 2023, OOPSLA 2022
- Program Committee TFP 2023, HATRA 2022, DLS 2022, ICFP 2021, PLDI 2021
- Artifact Evaluation Committee ECOOP 2017, OOPSLA 2017, OOPSLA 2016

PUBLICATIONS

Journal

- Ben Greenman, Christos Dimoulas, and Matthias Felleisen. TOPLAS 2022
Typed–Untyped Interactions: A Comparative Analysis
- 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

Conference, Symposium, and Hybrid Conference / Journal

- Ben Greenman, Sam Saarinen, Tim Nelson, and Shriram Krishnamurthi Programming 7.2, 2023
Little Tricky Logic: Misconceptions in the Understanding of LTL
- Kuang-Chen Lu, Ben Greenman, Carl Meyer, Dino Viehland, Programming 7.1, 2023
Aniket Panse, and Shriram Krishnamurthi
Gradual Soundness: Lessons from Static Python
- Siddhartha Prasad, Ben Greenman, Tim Nelson, John Wrenn, Koli Calling, 2022
and Shriram Krishnamurthi
Making Hay from Wheats: A Classsourcing Method to Identify Misconceptions
- Ben Greenman PLDI 2022
Deep and Shallow Types for Gradual Languages
- Ben Greenman, Lukas Lazarek, Christos Dimoulas, and Matthias Felleisen Programming 7.2, 2022
A Transient Semantics for Typed Racket
- Kuang-Chen Lu, Ben Greenman, and Shriram Krishnamurthi Programming 7.2, 2022
Types for Tables: A Language Design Benchmark
- Lukas Lazarek, Ben Greenman, Matthias Felleisen, and Christos Dimoulas ICFP 2021
How to Evaluate Blame for Gradual Types
- Ben Greenman, Matthias Felleisen, and Christos Dimoulas OOPSLA 2019
Complete Monitors for Gradual Types

- Preston Tunnell Wilson, Ben Greenman, Justin Pombrio, Shriram Krishnamurthi. DLS 2018
The Behavior of Gradual Types: A User Study
- Daniel Feltey, Ben Greenman, Christophe Scholliers, Robert Bruce Findler, OOPSLA 2018
and Vincent St. Amour.
Collapsible Contracts: Fixing a Pathology of Gradual Typing
- Ben Greenman, Matthias Felleisen. ICFP 2018
A Spectrum of Type Soundness and Performance
- Ben Greenman, Zeina Migeed. PEPM 2018
On the Cost of Type-Tag Soundness
- 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
- Stephen Chang, Ben Greenman, and Alex Knauth. POPL 2017
Type Systems as Macros
- Asumu Takikawa, Daniel Feltey, Ben Greenman, Max S. New, Jan Vitek, POPL 2016
and Matthias Felleisen.
Is Sound Gradual Typing Dead?
- Ben Greenman, Fabian Muehlboeck, and Ross Tate. PLDI 2014
Getting F-Bounded Polymorphism into Shape

INVITED TALKS

- VardiFest, NJPLS 2022
Little Tricky Logic: Misconceptions in the Understanding of LTL
- Racket Con 2020, 2022
Shallow Typed Racket, Shallow and Optional Types for Typed Racket
- Boston University POPV Seminar 2020
Complete Monitoring for Gradual Types
- GRACE Workshop 2018
Three Approaches to Gradual Typing

STUDENTS SUPERVISED

- Taylor Allred 2022 – ongoing
M.S., University of Utah
- Siddhartha Prasad 2022 – ongoing
Ph.D., Brown University

- Qianfan Chen 2021 – 2022
Sc.B. with Honors [thesis], Brown University
- Kuang-Chen Lu 2021 – 2022
Ph.D., Brown University
- Milo Davis 2017
B.S., Northeastern University
- Zeina Migeed 2016 – 2017
B.S., Northeastern University

VOLUNTEERING

- Bootstrap Professional Development Summer 2021
Teaching Assistant
- Housing Chair SPLASH 2018
- Northeastern CCIS Hiring Committee Spring 2018
Student Representative
- PRL Offsite Fall 2019
Organizer
- Each One Teach One Fall 2015
AP Java Tutor
- Student Volunteer OOPSLA 2019; Turing Celebration 2017; POPL 2016, 2018;
PLDI 2016; ICFP 2015, 2018; ECOOP 2015, 2016
- Ithaca Media Arts Summer 2012
Teacher, LEGO Mindstorms Camp
- Cornell Math Explorers Winter 2011
Module Designer