

Kenny Foner

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Pronouns: they/them/their

EDUCATION

University of Pennsylvania, Philadelphia, PA May 2018

Master of Science in Engineering in Computer & Information Science
Advised by Dr. Stephanie C. Weirich

Brandeis University, Waltham, MA May 2015

Bachelor of Science *summa cum laude* in Computer Science (with highest honors); Minor in Philosophy
Thesis: *Getting a Quick Fix on Comonads*, advised by Dr. Harry G. Mairson

EMPLOYMENT

Galois, Arlington, VA June, 2018 – present
Research Engineer

Microsoft Research, Redmond, WA May – August, 2016
Research Intern (advised by Dr. K. Rustan M. Leino)

Galois, Portland, OR May – August, 2015
Research Intern (advised by Dr. Aaron Tomb)

Galois, Portland, OR May – August, 2014
Research Intern (advised by Dr. David Archer)

MIT Lincoln Laboratory, Lexington, MA May – August, 2013
Research Intern (advised by Dr. Alley Stoughton)

PUBLICATIONS

ICFP 2018: K. Foner, H. Zhang, and L. Lampropoulos. “Keep Your Laziness in Check.” In *Proceedings of the 2018 ACM SIGPLAN International Conference on Functional Programming*.

ICFP 2018: B. Yorgey and K. Foner. “What’s the Difference? A Functional Pearl on Subtracting Bijections.” In *Proceedings of the 2018 ACM SIGPLAN International Conference on Functional Programming*.

Haskell 2017: L. Lampropoulos, A. Spector-Zabusky, and K. Foner. “Functional Pearl: Ode on a Random Urn.” In *Proceedings of the 2017 ACM SIGPLAN Symposium on Haskell*.

TyDe 2016: J. Paykin, A. Spector-Zabusky, and K. Foner. “Choose Your Own Derivative (Extended Abstract).” In *Proceedings of the 2016 ACM SIGPLAN Workshop on Type-Driven Development*.

Haskell 2015: K. Foner. “Functional Pearl: Getting a Quick Fix on Comonads.” In *Proceedings of the 2015 ACM SIGPLAN Symposium on Haskell*.

PLAS 2014: A. Stoughton, A. Johnson, S. Beller, K. Chadha, D. Chen, K. Foner, and M. Zhivich. “You Sank My Battleship!: A Case Study in Secure Programming.” In *Proceedings of the 2014 ACM Workshop on Programming Languages and Analysis for Security*.

TEACHING

University of Pennsylvania , Philadelphia, PA Teaching Assistant for CIS 552: <i>Advanced Programming</i>	Spring 2017
University of Pennsylvania , Philadelphia, PA Teaching Assistant for CIS 500: <i>Software Foundations</i>	Fall 2016
Brandeis University , Waltham, MA Course Instructor for COSI 98: <i>Introduction to Haskell</i>	Spring 2015
Brandeis University , Waltham, MA Teaching Assistant for COSI 21b: <i>Structure & Interpretation of Computer Programs</i>	Spring 2013, 2014

PRESENTATIONS

- Compose Conference, 2017:** Choose Your Own Derivative.
- Hendrix College Seminar Series, 2017:** Getting a Quick Fix on Comonads (the reprise).
- Hendrix College Invited Lecture, 2017:** Purely Functional Data Structures.
- Compose Conference, 2016:** “There and Back Again” and What Happened After.
- Haskell Symposium, 2015:** Functional Pearl: Getting a Quick Fix on Comonads.

AWARDS & HONORS

- 2015:** Highest Departmental Honors in Computer Science
- 2015:** Phi Beta Kappa Academic Honor Society
- 2015:** Michtom Prize for Academic Excellence in Computer Science
- 2014:** Jerome A. Schiff Undergraduate Research Fellowship
- 2014:** Dr. Jacques and Diana Cohen Endowed Award in Interdisciplinary Studies