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, Washington, DC   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   Spring 2017
Teaching Assistant for CIS 552: *Advanced Programming*

University of Pennsylvania, Philadelphia, PA   Fall 2016
Teaching Assistant for CIS 500: *Software Foundations*

Brandeis University, Waltham, MA   Spring 2015
Course Instructor for COSI 98: *Introduction to Haskell*

Brandeis University, Waltham, MA   Spring 2013, 2014
Teaching Assistant for COSI 21b: *Structure & Interpretation of Computer Programs*

Presentations

C○mp○se 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.
C○mp○se 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