

# Peter Fogg

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## Work Experience

- **edX** Cambridge, MA  
*Software Engineer* May 2015 -- present
  - Implemented the backend and UI allowing learners to self-organize into teams, creating a "small group" education experience in the context of a MOOC. Helped to scale up edX's Ecommerce platform, including switching parts of the infrastructure from synchronous blocking network calls to an asynchronous task queue.
- **Indiana University** Bloomington, IN  
*Research Assistant* September 2014 -- May 2015
  - Co-author of [Adaptive Lock-Free Maps: Purely-Functional to Scalable](#), ICFP '15
  - Co-author of [Parallel Type-Checking with Haskell using Saturating LVars and Stream Generators](#), PPOPP '16
- **edX** Cambridge, MA  
*Engineering Intern* June 2013 -- August 2013
  - Worked closely with the edX Studio team to implement various improvements to the usability of the platform
- **Apatapa** San Francisco, CA  
*Lead iOS/Django developer* June 2012 -- August 2012
  - Helped to design and develop an iOS application, its backend, and associated website for an early-stage startup
  - Brought several key features from start to completion
- **Oberlin College** Oberlin, OH  
*Computer Science TA* September 2011 -- May 2014
  - Planned and lead a workshop to supplement Introduction to Algorithms
  - Graded weekly lab assignments for CS151, Data Structures and Algorithms, and later CS280, Introduction to Algorithms
  - Tutored students in both introductory programming and advanced theory classes

## Education

- **Indiana University** Bloomington, IN  
*Ph.D in Computer Science* September 2014 -- May 2015 (*incomplete*)
- **Oberlin College** Oberlin, OH  
*B.A in Computer Science* September 2010 -- May 2014

## Skills

- **Programming Languages:** Python, Haskell, Javascript, Clojure, Java, Scheme
- **Frameworks:** Django, Backbone, Unity
- **Operating Systems:** Unix, Mac OS X
- **Other:** git, MySQL,  $\text{\LaTeX}$ , test-driven development