

# Kyle Headley

PhD Student

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## Education

MS (Computer Science)	University of Colorado Boulder	2017
BS (Computer Science)	University of Maryland	2015
BA (Philosophy)	University of Maryland	2015

## Publications

*[The Random Access Zipper: Simple, Purely-Functional Sequences](#)*

Kyle Headley, Matthew A. Hammer.  
Trends in Functional Programming (**TFP 2016**).  
College Park, Maryland. June 2016.

*[Incremental Computation with Names](#)*

Matthew A. Hammer, Joshua Dunfield, Kyle Headley, Nicholas Labich, Jeffrey S. Foster and Michael Hicks.  
Object-Oriented Programming, Systems, Languages, and Applications (**OOPSLA 2015**).  
Pittsburgh, USA. October 2015.  
(Acceptance Rate: 25%)

## Service

Student Volunteer Co-Captain (PLDI), Spring 2018  
Student Volunteer (POPL), January 2018  
Student Volunteer (PLDI), June 2017  
Faculty Candidate Evaluation (CU Boulder), student group, Spring 2016

## Talks

Speed and Simplicity for Incremental Sequence Computation  
Incremental Computation Workshop (**PLDI 2017**)  
Barcelona, Spain. June 2017

The Random Access Zipper: Simple, Purely-Functional Sequences  
Trends in Functional Programming (**TFP 2016**)  
College Park, Maryland. June 2016.

Correct-by-Construction Interactive Software  
Off the Beaten Track (**OBT 2016**)  
St. Petersburg, Florida. January 2016

Sparse Adapton  
Student Research Competition, 3rd Round, Undergraduate (**ICFP 2015**)  
Vancouver, Canada. September 2015

## Student Internships

Mozilla, Servo web browser (June 2016–September 2017)  
*Graduate Research Intern*

Last updated: January 16, 2018