

## Mike Izbicki's curriculum vitae

I am a phd student and lecturer in the computer science department at [UC Riverside](#). My advisor is [Dr. Christian Shelton](#), and my research interests include: machine learning, functional programming, and computer science education. Most of my projects are listed in my [github page](#) or my [personal website](#). The best way to contact me is via email: [mike@izbicki.me](mailto:mike@izbicki.me).

### Teaching

I've taught the following courses for the computer science department at [UC Riverside](#):

quarter	year	course title
Winter	2015	<a href="#">cs100 - open source software construction</a>
Fall	2014	<a href="#">cs100 - open source software construction</a>
Summer	2014	<a href="#">cs100 - open source software construction</a>
Winter	2014	<a href="#">cs006 - introduction to the world wide web</a>
Fall	2013	cs141 - intermediate data structures and algorithms ( <a href="#">course notes</a> )
Spring	2013	cs014 - introduction to data structures ( <a href="#">course notes</a> )

I was also a teaching assistant for these courses:

quarter	year	course title
Spring	2014	cs100 - software construction
Winter	2013	cs012 - introduction to computer science II
Fall	2012	cs010 - introduction to computer science I
Fall	2012	cs165 - computer security

### Publications

Conference papers:

- [Algebraic classifiers: a generic approach to fast cross-validation, online training, and parallel training](#). International Conference of Machine Learning (ICML) 2013.

Workshops / presentations / small articles:

- “Modeling data with algebra,” Workshop on Data Centric Programming (DCP) 2014.
- “HLearn: a machine learning library for Haskell,” Trends in Functional Programming (TFP) 2013.
- [The open source software package HLearn](#). Workshop on Machine Learning Open Source Software (MLOSS) 2013.
- [Two monoids for solving NP-complete problems](#). The Monad Reader, 2013.
- “Machine learning? Why not monoids?” presented at Facebook, September 2013.
- My personal blog ([izbicki.me](#)) also contains technical writeups about many of these topics

Online

- [My github page](#) contains a number of open source contributions
- My personal blog ([izbicki.me](#)) contains technical discussions related to my research

## Education

degree	school	time frame
PhD (computer science)	<a href="#">University of California Riverside</a>	2011-Present
EOOW qualification	<a href="#">Naval Nuclear Propulsion Training Command</a>	2009
MS (computer science)	<a href="#">Johns Hopkins University Applied Physics Laboratory</a>	2008
BS (computer science)	<a href="#">United States Naval Academy</a>	2004-2008
High school diploma	<a href="#">San Clemente High School</a>	2000-2004

I received the following academic awards:

- UCR dean’s fellowship recipient partially funding my phd
- Engineering Officer of the Watch (EOOW) qualification on [S5W nuclear reactor](#)

- VGEF scholarship recipient funding my masters degree
- Membership in [Upsilon Pi Epsilon](#), an honor society for the computing and information disciplines
- [National merit scholar finalist](#)

### **Military experience**

I was in the navy from 2004-2011. Most of this time was spent in training at either the Naval Academy or NNPTC. I also spent a year working at the naval submarine school, but I never did a “real deployment.” I left the navy as a conscientious objector based on religious grounds. The NYTimes did a [rather nice writeup](#) of my discharge, and I have [a number of blog posts](#) about the topic. This experience is a hugely important part of my life. I enjoy sharing it with others, and have given a number of small presentations about it. If you have any questions, please ask!