

William Michael Landau

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<http://will-landau.com/>
<http://github.com/wlandau/>

Education

PhD, Statistics, Iowa State University	Expected May 2016
MS, Statistics, Iowa State University	May 2013
BS, Mathematics, University of Chicago	June 2011

Employment

Research Assistant⁺⁺	June 2013 - present
<ul style="list-style-type: none">▪ Developing a fully Bayesian method to detect important genes in high-dimensional genomic datasets.▪ Authoring an R package that uses high-performance massively parallel computing with CUDA GPUs.▪ NIH grant number R01GM109458.	
Research Assistant⁺⁺	August 2013 – December 2013
GPU Computing Seminar Series	August 2012 – December 2012
<ul style="list-style-type: none">▪ Authored and delivered a high-performance computing seminar series at http://will-landau.com/gpu/ and on Youtube.	
Course Instructor⁺⁺	January 2013 – May 2013
STAT 305: Engineering Statistics	January 2012 – May 2012
Teaching Assistant⁺⁺	August 2011 – December 2011
<ul style="list-style-type: none">▪ STAT 231: Engineering Probability▪ STAT 105: Introduction to Engineering Statistics	
Creator and Organizer⁺⁺	September 2015 – Present
Cloud Computing Working Group	
<ul style="list-style-type: none">▪ Delivered tutorial seminars on Amazon Web Services and on-campus computing clusters.	
Leadership	Computation Advisory Committee⁺⁺
	September 2015 – Present
Volunteer Instructor⁺	March 13, 2014
Office of Precollegiate Programs for Talented and Gifted (OPPTAG)	
<ul style="list-style-type: none">▪ Taught probability concepts to middle school students with an in-class game.	
Preparing Future Faculty Fellow⁺	August 2013 – June 2014

⁺⁺ Iowa State University Department of Statistics

⁺ Iowa State University

Skills

Data science

- Hierarchical models, Bayesian methods, Markov chain Monte Carlo, high-dimensional data analysis, linear and nonlinear models, data mining, predictive modeling, multivariate analysis, exploratory analysis, visualization, genomics data analysis.

Computing

- R, R package development, Rcpp, C/C++, CUDA C/C++, shell scripting, Python, Javascript, SAS, SQL, AWK, Haskell, Fortran.

Markup

- R Markdown, Markdown, ioslides, knitr, LaTeX, HTML, CSS

References

Jarad Niemi

niemi@iastate.edu

- PhD major professor.

Peng Liu

pliu@iastate.edu

- MS major professor.

Additional references available on request.

Hobbies

Brazilian Jiu Jitsu, CrossFit, sailboat racing and coaching, windsurfing