

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">Jointly developed a fully Bayesian method to detect important genes in high-dimensional genomic datasets.Authored an R package with a CUDA backend for massively parallel computation.NIH grant R01GM109458	
Research Assistant⁺⁺	August 2013 – December 2013
GPU Computing Seminar Series	August 2012 – December 2012
<ul style="list-style-type: none">Authored and presented a high-performance computing seminar series at http://will-landau.com/gpu/, also on YouTube.	

Course Instructor⁺⁺	January 2013 – May 2013
STAT 305: Engineering Statistics	January 2012 – May 2012

Teaching Assistant⁺⁺	August 2011 – December 2011
STAT 231: Engineering Probability	
STAT 105: Introduction to Engineering Statistics	

Leadership

Creator and Organizer⁺⁺	September 2015 – Present
Cloud Computing Working Group	
<ul style="list-style-type: none">Presented and coordinated tutorial seminars on cloud computing services and on-campus computing clusters.	

Computation Advisory Committee⁺⁺	September 2015 – Present
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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 using an in-class game.	

Preparing Future Faculty Fellow⁺	August 2013 – June 2014
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⁺⁺ 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, machine learning, predictive modeling, multivariate analysis, statistical computing, exploratory analysis, visualization, genomics data analysis

Computing

- R, R package development, Rcpp, C/C++, CUDA C/C++, shell scripting, Python, JavaScript, 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