William Michael Landau

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3211 Snedecor Hall   http://will-landau.com/
Iowa State University   http://github.com/wlandau/
Ames, IA 50011

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**
- 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**
- 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**
- STAT 231: Engineering Probability
- STAT 105: Introduction to Engineering Statistics

Creator and Organizer[++]   **September 2015 – Present**
Cloud Computing Working Group
- 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)
- 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

Boxing Club Assistant Coach[+]   **August 2012 – December 2013**

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