William Michael Landau

201-563-4325   landau@iastate.edu
3211 Snedecor Hall   http://will-landau.com
Iowa State University   https://www.linkedin.com/in/wlandau
Ames, IA 50011   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**
- 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**
- 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
- Presented and coordinated tutorial seminars on cloud computing services and on-campus computing clusters.

Computation Advisory Committee[++]   **September 2015 – Present**
- Helped make decisions about requesting and allocating departmental computing resources.

Volunteer Instructor[+]   **March 13, 2014**
Office of Precollegiate Programs for Talented and Gifted (OPPTAG)
- Taught probability concepts to middle school students using an in-class game.

[++] Iowa State University Department of Statistics
[+] Iowa State University

	Preparing Future Faculty Fellow[+]	August 2013 – June 2014
Skills	**Boxing Club Assistant Coach**[+]	**August 2012 – December 2013**

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

References

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

Jarad Niemi   niemi@iastate.edu
- PhD major professor

Peng Liu   pliu@iastate.edu
- MS major professor

Hobbies   Additional references available on request.

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