

# William Michael Landau

201-563-4325  
3211 Snedecor Hall  
Iowa State University  
Ames, IA 50011

[landau@iastate.edu](mailto:landau@iastate.edu)  
<http://www.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

<b>Research Assistant<sup>++</sup></b>	<b>June 2013 - present</b>
--	----------------------------

- 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.

<b>Research Assistant<sup>++</sup></b>	<b>August 2013 – December 2013</b>
<b>GPU Computing Seminar Series</b>	<b>August 2012 – December 2012</b>

- Authored and delivered a high-performance computing seminar series at <http://will-landau.com/gpu/> and on [Youtube](#).

<b>Course Instructor<sup>++</sup></b>	<b>January 2013 – May 2013</b>
<b>STAT 305: Engineering Statistics</b>	<b>January 2012 – May 2012</b>

<b>Teaching Assistant<sup>++</sup></b>	<b>August 2011 – December 2011</b>
--	------------------------------------

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

<b>Creator and Organizer<sup>++</sup></b>	<b>September 2015 – Present</b>
<b>Cloud Computing Working Group</b>	

- Delivered tutorial seminars on Amazon Web Services and on-campus computing clusters.

## Leadership

<b>Computation Advisory Committee<sup>++</sup></b>	<b>September 2015 – Present</b>
--	---------------------------------

<b>Volunteer Instructor<sup>+</sup></b>	<b>March 13, 2014</b>
<b>Office of Precollegiate Programs for Talented and Gifted (OPPTAG)</b>	

- Taught probability concepts to middle school students with an in-class game.

<b>Preparing Future Faculty Fellow<sup>+</sup></b>	<b>August 2013 – June 2014</b>
--	--------------------------------

---

<sup>++</sup> Iowa State University Department of Statistics

<sup>+</sup> 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](mailto:niemi@iastate.edu)

- PhD major professor.

**Peng Liu**

[pliu@iastate.edu](mailto:pliu@iastate.edu)

- MS major professor.

Additional references available on request.

**Hobbies**

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