|  |  |
| --- | --- |
|  | William Michael Landau |
| **Education**  **Employment**  **Leadership**  **Skills**  **References**  **Hobbies** | 201-563-4325 [landau@iastate.edu](mailto:landau@iastate.edu)  3211 Snedecor Hall <http://will-landau.com/>  Iowa State University <http://github.com/wlandau/>  Ames, IA 50011  PhD, Statistics, Iowa State University Expected May 2016  MS, Statistics, Iowa State University May 2013  BS, Mathematics, University of Chicago June 2011  **Research Assistant[[1]](#footnote-1)++ 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](http://blogs.nvidia.com/blog/2012/09/10/what-is-cuda-2/). * 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](https://www.youtube.com/watch?v=VL3qbqA_Xco&list=PLs5XGFlsJ8Wi635Ig2QX3dbmJCNpss4aT).   **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.   **Computation Advisory Committee++ September 2015 – Present**  **Volunteer Instructor[[2]](#footnote-2)+ 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**  **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, 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   [**Jarad Niemi**](http://www.jarad.me/) [niemi@iastate.edu](mailto:niemi@iastate.edu)   * PhD major professor.   [**Peng Liu**](http://www.public.iastate.edu/~pliu/) [pliu@iastate.edu](mailto:pliu@iastate.edu)   * MS major professor.   Additional references available on request.  Brazilian Jiu Jitsu, CrossFit, sailboat racing and coaching, windsurfing |

1. ++ Iowa State University Department of Statistics [↑](#footnote-ref-1)
2. + Iowa State University [↑](#footnote-ref-2)