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|  | William Michael Landau |
| Education  Employment  Leadership  Skills  References  Hobbies | 3211 Snedecor Hall [landau@iastate.edu](mailto:landau@iastate.edu)  Iowa State University <http://www.will-landau.com/>  Ames, IA 50011 <http://github.com/wlandau/>  201-563-4325  PhD, Statistics, Iowa State University Expected May 2016  MS, Statistics, Iowa State University May 2013  BS, Mathematics, University of Chicago June 2011  Research Assistant June 2013 - present  Iowa State University Department of Statistics   * 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  Iowa State University Department of Statistics   * 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  Iowa State University Department of Statistics  Teaching Assistant August 2011 – December 2011  STAT 231: Engineering Probability  STAT 105: Introduction to Engineering Statistics  Iowa State University Department of Statistics  Creator and Organizer September 2015 – Present  Cloud Computing Working Group  Iowa State University Department of Statistics   * Delivered tutorial seminars on Amazon Web Services and on-campus computing clusters.   Volunteer Instructor March 13, 2014  Investigation Series  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  Preparing Future Faculty Program  Assistant Coach August 2012 – December 2013  Iowa State University Boxing Club  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, knitr, LaTeX, HTML, CSS   [Jarad Niemi](http://www.jarad.me/) [niemi@iastate.edu](mailto:niemi@iastate.edu)   * PhD major professor at Iowa State University   [Peng Liu](http://www.public.iastate.edu/~pliu/) [pliu@iastate.edu](mailto:pliu@iastate.edu)   * MS major professor at Iowa State Univeristy   Additional references available on request.  Brazilian Jiu Jitsu, CrossFit, sailboat racing and instruction, windsurfing |