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|  | William Michael Landau |
| **Education**  **Employment**  **Leadership**  **Skills**  **References**  **Hobbies** | [will-landau.com](http://will-landau.com) [landau@iastate.edu](mailto:landau@iastate.edu)  [linkedin.com/in/wlandau](https://www.linkedin.com/in/wlandau) 201-563-4325  [github.com/wlandau](http://github.com/wlandau)  PhD, Statistics, Iowa State University 2016  MS, Statistics, Iowa State University 2013  BS, Mathematics, University of Chicago 2011  **Research Assistant[[1]](#footnote-1)++ June 2013 – August 2016**   * Jointly developed a fully Bayesian method for analyzing high-dimensional genomic datasets. * Authored R packages [fbseq](https://github.com/wlandau/fbseq) and [fbseqCUDA](https://github.com/wlandau/fbseqCUDA), which use GPU computing to accelerate a Markov chain Monte Carlo routine. * 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](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 – December 2016**  **Cloud Computing Working Group**   * Presented and coordinated tutorial seminars on cloud computing services and on-campus computing clusters.   **Computation Advisory Committee++ September 2015 – May 2016**   * Helped devise computing policies and make resource management decisions for the department.   **Volunteer Instructor[[2]](#footnote-2)+ March 13, 2014**  **Office of Precollegiate Programs for Talented and Gifted (OPPTAG)**   * Taught probability concepts to middle school students using 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, genomics data analysis, statistical computing, exploratory analysis, visualization, linear and nonlinear models, data mining, machine learning, predictive modeling, multivariate analysis   **Computing**   * R, R package development, Rcpp, C/C++, Fortran, GPU computing, CUDA C/C++, MPI, shell scripting, Python, JavaScript   **Markup**   * R Markdown, Markdown, ioslides, knitr, LaTeX, HTML, CSS   [**Jarad Niemi**](http://www.jarad.me/) [niemi@iastate.edu](mailto:niemi@iastate.edu)   * PhD advisor and major professor   [**Dan Nettleton**](http://www.public.iastate.edu/~dnett/) [dnett@iastate.edu](mailto:dnett@iastate.edu)   * Lead principal investigator of the RNA-sequencing data analysis working group, my research team at Iowa State.   [**Peng Liu**](http://www.public.iastate.edu/~pliu/) [pliu@iastate.edu](mailto:pliu@iastate.edu)   * MS advisor and major professor   Additional references available on request.  Brazilian Jiu Jitsu, CrossFit, sailboat racing and coaching, windsurfing |

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