William Michael Landau

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

landau@iastate.edu
http://www.will-landau.com/
http://github.com/wlandau/

Education	**PhD, Statistics** — Expected May 2016
	▪ Iowa State University, Ames, IA
	MS, Statistics — May 2013
	▪ Iowa State University, Ames, IA
	▪ Creative component: **W. M. Landau** and P. Liu. Dispersion Estimation and its Effect on Test Performance in RNA-seq Data Analysis: A Simulation-Based Comparison of Methods. *PLOS One*, 8(12). December 2013.
	BS, Statistics — June 2011
	▪ University of Chicago, Chicago, IL
Articles	▪ **W. M. Landau** and P. Liu. Dispersion Estimation and its Effect on Test Performance in RNA-seq Data Analysis: A Simulation-Based Comparison of Methods. *PLOS One*, 8(12). December 2013.
	▪ B. J. Ratliff, Womack. C. C., X. N. Tang, **W. M. Landau**, L. J. Butler, and D. E. Szpunar. Modeling the Rovibrationally Excited C_2H_4OH Radicals from the Photodissociation of 2-Bromoethanol at 193nm. *Journal of Physical Chemistry*, 114(14): 493445, April 2010.
Posters	▪ **W. M. Landau** and P. Liu. Dispersion Estimation and its Effect on Test Performance in RNA-seq Data Analysis. Joint Statistical Meetings, 2013. Montreal, QC, Canada.
Employment	**Research Assistant** — June 2013 – present
	▪ Jointly formulated a hierarchical model to data from gene experiments studying hybrid vigor.
	▪ Fit the model with a Markov Chain Monte Carlo procedure, accelerated with parallel computing and graphics processing units (GPUs).

	Lecturer GPU Computing Seminar Series	August 2013 – December 2013 August 2012 – December 2012
	▪ Constructed a high-performance computing seminar series publicly accessible at http://will-landau.com/gpu/	
	Course Instructor STAT 305: Engineering Statistics	January 2013 – May 2013 January 2012 – May 2012
	Teaching Assistant STAT 231: Engineering Probability STAT 105: Introduction to Engineering Statistics	August 2011 – December 2011

Leadership	Preparing Future Faculty Program August 2013 – present
	▪ Completed supplemental training courses in teaching, research writing, and applying for academic positions.
	Assistant Coach August 2012 – December 2013 Iowa State University Boxing Club
	▪ Led and jointly planned beginner boxing classes of roughly seventy participants.
	▪ Individually coached beginner and competitive college boxers.
	▪ Cornerman in local fights in Davenport and Cedar Rapids, IA, in 2013.
	▪ Created improved membership and financial bookkeeping systems.
	Volunteer Guest Lecturer March 13, 2014 Investigation Series Office of Precollegiate Programs for Talented and Gifted (OPPTAG)
	▪ Created and led an educational game simulating the Monty Hall problem for middle school students in the community of Ames, IA.

Computer Languages	Programming
	▪ Significant experience with R, C/C++, CUDA C/C++, Bash, Python.
	▪ Some experience with SAS, SQL, AWK, Haskell, JavaScript, Fortran.
	Markup
	▪ Significant experience with LaTeX, knitr, HTML, CSS.
	▪ Some experience with Markdown, RMarkdown, XML.

References	Available on request.