

William Michael Landau

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Web

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<http://will-landau.com>
<http://github.com/wlandau>

Education

PhD, Statistics, expected May 2016
Iowa State University, Ames, IA
Cumulative GPA: 3.87/4.00

Master of Science, Statistics, May 2013
Iowa State University, Ames, IA
Cumulative GPA: 3.90/4.00

Bachelor of Science, Mathematics, June 2011
University of Chicago, Chicago, IL
Cumulative GPA: 3.69/4.00

Research

Research Assistant	RNA-seq Research Group Dept. of Statistics Iowa State University	Jun 2013 – Aug 2013
	<ul style="list-style-type: none">• Implemented a GPU-accelerated Markov Chain Monte Carlo procedure to fit a hierarchical model to RNA sequencing datasets.	
Master's Student	Dept. of Statistics Iowa State University	Jun 2011 – Jun 2013
	<ul style="list-style-type: none">• Wrote a creative component to compare methods of analyzing RNA sequencing data: 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. <i>PLOS One</i>, 8(12), December 2013.• Presented a poster of the above at the 2013 Joint Statistical Meetings in Montreal, QC, Canada: Landau, W. M. and Liu, P. Dispersion Estimation and its Effect on Test Performance in RNA-Seq Data Analysis. Joint Statistical Meetings, 2013. Montreal, QC, Canada..	

Teaching

Lecturer	GPU Computing Subgroup Statistical Computing Research Group Dept. of Statistics Iowa State University	Aug 2013 – Dec 2013 Aug 2012 – Dec 2012
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- Created and delivered weekly talks on statistical computing with Graphics Processing Units (GPUs) to graduate students and faculty. Materials are available at <http://will-landau.com/gpu>.

Course Instructor	STAT 305: Engineering Statistics Dept. of Statistics Iowa State University	Jan 2013 – Dec 2013 Jan 2012 – Dec 2012
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- Planned and delivered bi-weekly lectures to classes of sixty students.
- Wrote homework and tests, proctored and graded tests.
- Held weekly office hours.

Teaching Assistant	STAT 231: Engineering Probability STAT 105: Intro to Engineering Statistics Dept. of Statistics Iowa State University	Aug 2011 – Dec 2011
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- Wrote homework solutions.
- Graded homework.
- Held weekly office hours.

Leadership

Preparing Future Faculty Program	Iowa State University	Aug 2013 – Present
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- Completed courses that offer supplemental training in teaching, research writing, and applying for academic positions. More information at <http://www.celt.iastate.edu/pff/>.

Assistant Boxing Coach	Iowa State University Boxing Club	Aug 2012 – Dec 2013
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- Led and jointly planned beginner boxing classes of roughly 70 participants.
- Individually coached beginner and competitive college boxers.
- Created membership and financial bookkeeping systems.

Honors

Vince Sposito Computing Excellence Award	Dept. of Statistics Iowa State University	Aug 2013
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- Awarded for service in statistical computing while working toward a graduate degree.

GSK Scholar Award	Dept. of Statistics Iowa State University	Sep 2011
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- Awarded jointly by GlaxoSmithKline and the Iowa State University Department of Statistics for a strong undergraduate record and an interest in biostatistics.

Alummni Scholarship

Dept. of Statistics
Iowa State University

Sep 2011

- Awarded for a strong application for graduate study.

Computer languages

Programming	R, C/C++, CUDA C, Bash, Python, SAS, AWK, SQL, Haskell, Fortran.
Markup	LaTeX, HTML, CSS, Markdown, XML, RMarkdown.

References

Prof. Jarad Niemi niemi@iastate.edu	Dept. of Statistics Iowa State University	PhD Major Professor Spring 2014 – Present
Prof. Peng Liu pliu@iastate.edu 515-294-7806	Dept. of Statistics Iowa State University	Master's Degree Major Professor Summer 2012 – Spring 2013