

# Nehemias Ulloa

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CONTACT INFORMATION	2329 Bristol Dr. Apt 201 Ames, Iowa USA 50010	<i>Phone:</i> 661.428.5419 <i>E-mail:</i> <a href="mailto:nulloa1@iastate.edu">nulloa1@iastate.edu</a> <i>Webpage:</i> <a href="http://nulloa.github.io">nulloa.github.io</a>
POSITION	Data Scientist	
EDUCATION	<b>PhD in Statistics</b> Iowa State University <i>Thesis:</i> Bayesian Hierarchical Modeling and Analysis for Disease Outbreaks <i>Advisor:</i> Dr. Jarad Niemi	<b><i>Expected: June 2019</i></b>
	<b>MS in Statistics</b> Iowa State University <i>Creative Component:</i> Application of Polynomial Regression to Dyadic Data <i>Advisor:</i> Dr. Fred Lorenz	<b>May 2017</b>
	<b>BS in Mathematics</b> California State University, Bakersfield	<b>May 2013</b>
WORK EXPERIENCE	<b>Iowa Monarch Conservation Consortium</b> Ames, IA <b>Research Assistant</b> <ul style="list-style-type: none"><li>• Maintained and cleaned datasets for a R package</li><li>• Created figures and tables for grant reports</li></ul>	<b>Jan 2019 - Present</b>
	<b>After, Inc.</b> Norwalk, Connecticut <b>R Shiny Developer Intern</b> <ul style="list-style-type: none"><li>• Worked with statisticians within the company to develop client reports with R Shiny</li><li>• Helped create and improve reporting templates to standardize reports across clients</li><li>• Researched new Shiny features which lead to new Shiny apps and documents for others to use</li></ul>	<b>May 2018 - Dec 2018</b>
	<b>Iowa State University</b> Ames, IA <b>Teaching Assistant</b> <ul style="list-style-type: none"><li>• Ran and assisted with labs in both undergraduate and graduate courses</li><li>• Held office hours to help students with a one-on-one emphasis</li><li>• Graded homework and lab assignments</li><li>• Courses: STAT 101 (Principles of Statistics), STAT 326 (Introduction to Business Statistics II), STAT 330 (Probability and Statistics for Computer Science), STAT 401 (Statistical Methods for Research Workers), STAT 544 (Graduate-level Bayesian Statistics)</li></ul>	<b>Aug 2013 - May 2018; Jan 2019 - Present</b>
	<b>Instructor</b> <ul style="list-style-type: none"><li>• Lectured a section of introductory statistics one semester (class size <math>\sim 100</math>) and taught online one semester</li><li>• Courses: STAT 101 and STAT 305 (Engineering Statistics)</li></ul>	
	<b>California State University, Bakersfield</b> Bakersfield, CA <b>Math Department Tutoring Center</b> <ul style="list-style-type: none"><li>• Tutored students from algebra through the calculus series</li></ul>	<b>Jan 2011 - July 2013</b>
	<b>Instructor</b> <ul style="list-style-type: none"><li>• Ran hybrid course using an interactive online learning environment to help develop basic math skills</li><li>• Courses: MATH 75 (Developmental Mathematics I ) &amp; MATH 85 (Developmental Mathematics II)</li></ul>	
RESEARCH EXPERIENCE	<b>CREST(NSF)</b> California State University, Bakersfield	<b>June 2012 - June 2013</b>

- Investigated methods of fitting a penalized broken cubic spline and compared using AIC, AICcorr, BIC, CV, and GCV criterias to the RSE

**Interdisciplinary Program in High Performance Computing,** **Summer 2012**  
University of Maryland, Baltimore County

- Completed Math 447: Introduction to Parallel Computing where I learned parallel computing using C with MPI, R with Snow, and Matlab
- Collaborated with the Department of Natural Resources of Maryland to identify trouble areas of the Chesapeake Bay using different statistical methods and ranking systems.

**AWARDS** **Alliance for Graduate Education and the Professoriate Fellowship** **Aug 2013 - June 2018**  
Iowa State University

- Joint-fellowship between Iowa Universities dedicated to increasing the number of underrepresented minorities obtaining graduate degrees in STEM.

**ACTIVITIES** **STAT-ers:** Statistics graduate student organization **Aug 2013 - Present**  
Iowa State University

- Vice President **2015 - 2016**
- President **2016 - 2017**

**StatCom:** Statistics in the Community **Aug 2015 - Present**  
Iowa State University

- Ran statistics station at Meeker Elementary's Science Night
- Helped a non-profit with data clean-up and summary statistics

**COMPUTER SKILLS** **Programming:** R, SAS, C++, SPSS, MPLUS, SQL, Git,  $\text{\LaTeX}$   
**Statistical Computing:** Stan, JAGS, Shiny, JMP

**PROFESSIONAL MEMBERSHIPS** American Statistical Association

**LANGUAGES** English, Spanish

**PERSONAL INTERESTS** For enjoyment outside of statistics, I enjoy bike riding, soccer, basketball and ultimate frisbee.