# Nehemias Ulloa

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| CONTACT INFORMATION | 2329 Bristol Dr.<br>Apt 201<br>Ames, Iowa USA 50010 | *Phone:* 661.428.5419<br>*E-mail:* nulloa1@iastate.edu<br>*Webpage:* nulloa.github.io |

POSITION   Institutional Research Analyst (COF)

EDUCATION

**PhD in Statistics**     *Expected:* **June 2019**
Iowa State University
*Thesis:* Bayesian Hierarchical Modeling and Analysis for Disease Outbreaks
*Advisor:* Dr. Jarad Niemi

**MS in Statistics**     **May 2017**
Iowa State University
*Creative Component:* Application of Polynomial Regression to Dyadic Data
*Advisor:* Dr. Fred Lorenz

**BS in Mathematics**     **May 2013**
California State University, Bakersfield

RESEARCH EXPERIENCE

**CREST(NSF)**     **June 2012 - June 2013**
California State University, Bakersfield
- 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
- Team collaborated with the Department of Natural Resources of Maryland to identify trouble areas of the Chesapeake Bay using different statistical methods and ranking systems.

COMPUTER SKILLS

**Programming**: R, SAS, C++, SPSS, MPLUS, Git, LaTeX
**Statistical Computing**: Stan, JAGS, Shiny, JMP

WORK EXPERIENCE

**After, Inc.**     **May 2018 - Dec 2018**
Norwalk, Connecticut
**R Shiny Developer Intern**
- Worked with statisticians within the company to develop client reports with R Shiny
- Helped create and improve reporting templates to standardize reports across clients
- Researched new Shiny features which lead to new Shiny apps and documents for others to use

**Iowa State University**     **Aug 2013 - May 2018**
Ames, IA
**Teaching Assistant**
- Ran and assisted with labs in both undergraduate and graduate courses
- Held office hours to help students with a one-on-one emphasis
- Graded homework and lab assignments
- Courses: STAT 101 (Principles of Statistics), STAT 330 (Probability and Statistics for Computer Science), STAT 401 (Statistical Methods for Research Workers), STAT 544 (Graduate-level Bayesian Statistics)

**Instructor**
- Lectured a section of introductory statistics one semester (class size $\sim 100$) and taught online one semester
- Courses: STAT 101 and STAT 305 (Engineering Statistics)

**California State University, Bakersfield**  **Jan 2011 - July 2013**
Bakersfield, CA
**Math Department Tutoring Center**
- Tutored students from algebra through the calculus series

**Instructor**
- Ran hybrid course using an interactive online learning environment to help develop basic math skills
- Courses: MATH 75 (Developmental Mathematics I ) & MATH 85 (Developmental Mathematics II)

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

PROFESSIONAL
MEMBERSHIPS

American Statistical Association

LANGUAGES

English, Spanish