Nehemias Ulloa

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

POSITION Data Scientist/Analyst

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

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 ~ 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)

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

- 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, Git, LaTeX
Statistical Computing: Stan, JAGS, Shiny, JMP

PROFESSIONAL
MEMBERSHIPS   American Statistical Association

LANGUAGES   English, Spanish