

## **EDUCATION**

### **Duke University**

Pursuing Ph.D., Statistical Science

Durham, North Carolina

### **Pomona College**

Bachelor of Arts, Mathematics

Overall/Major GPA: 3.93/4.00

Magna Cum Laude

Claremont, California

May 2013

## **WORK EXPERIENCE**

### **Duke University**

#### ***Statistical Science Research Assistant***

- Created R package (acmeR, available on CRAN<sup>1</sup>) for submitted paper

Durham, North Carolina

May – August 2015

### **The SPHERE Institute**

#### ***Data and Policy Analyst***

- Performed time-sensitive exploratory analysis on Medicare data
- Programmed extensively in SAS
- Collaborated to develop code and infrastructure for long-term project

Burlingame, California

August 2013 – August 2014

### **Pomona College**

#### ***Statistics Research Assistant***

- Topic: Sparse Canonical Correlation Analysis
- Major contributor to direction and scope of project
- Co-authored paper<sup>2</sup> submitted to *Statistical Genetics and Molecular Biology*

Claremont, California

June 2012 – August 2012

May 2013 – July 2013

## **AWARDS AND ACHIEVEMENTS**

- Valedictorian of High School in class of over 250 students
- Awarded honors for undergraduate thesis<sup>3</sup> analyzing PITCHf/x data
- Phi Beta Kappa Member
- Sigma Xi Scientific Honorary Society Associate Member
- Best Insight, UCLA DataFest 2013
- Academic Distinction – Pomona College Scholar
- Invited to NSF-funded workshops
  - *Explorations in Statistics Research, UC Berkeley*
  - *Computational Methods for Massive Datasets, SAMSI NC*

2009-2011, Fall 2012, 2013

June 2012

October 2012

## **SKILLS**

**Programming Languages:** Advanced: SAS, R

Basic Proficiency: Java, SQL, Matlab

**Statistics:** Linear regression, generalized linear regression, Bayesian analysis, hierarchical modeling

## **EXTRACURRICULAR INTERESTS**

Sports statistics

Note: references available upon request

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<sup>1</sup> <https://cran.r-project.org/web/packages/acmeR/index.html>

<sup>2</sup> Resistance Multiple Sparse Canonical Correlation - <http://arxiv.org/abs/1410.3355>

<sup>3</sup> Robust Sparse Canonical Correlation Analysis and PITCHf/x - <http://pages.pomona.edu/~jsh04747/Student%20Theses/JakeColeman13.pdf>