

William Z. Horton

☎ 765-490-3885 • ✉ wz.horton@gmail.com
🌐 www.linkedin.com/in/william-z-horton

Education

Brigham Young University

Bachelor of Science in Actuarial Science

- Overall GPA: 3.93, Major GPA: 4.0
- Minor in Mathematics
- Dean's List - Winter 2016/Fall 2015
- Elrod C. Leany Statistics Scholarship - Fall 2016
- Richard W. & Alice M. Feagan Scholarship - Fall 2016

Graduation: April 2018

Provo, UT

Exams.....

SOA Exam P - Pass (7) Sept.2016

SOA Exam FM - Pass Dec.2016

Experience

Research Assistant

BYU Statistics Department

- Analyzed code for Bayesian Curve Clustering
- Independently learned advanced statistical processes

Provo, UT

Sept.2016–Current

Course Assistant: Introductory Statistics Online

BYU Statistics Department/BYU Independent Study

- Headed the launch of an online statistics class enabling 500 more students to enroll
- Directed the training of TA's on effective online teaching
- Managed communications between departments
- Designed teaching resources for online labs

Provo, UT

Aug.2016–Dec.2016

Teaching Assistant: Introduction to Statistics

BYU Statistics Department

- Developed a web application with R-Shiny
- Mentored a new TA on effective lab teaching practices for 12 weeks
- Outperformed coworkers on student ratings

Provo, UT

Sept.2015–Dec.2016

Research Assistant

BYU Math Department

- Generated code for neural networks and Q-learning systems
- Implemented a self-learning Tic-Tac-Toe program
- Accurately predicted 80% of Titanic survivors using machine learning techniques
- Presented findings at a student research conference

Provo, UT

Sept.2015–Aug.2016

Volunteer Representative

The Church of Jesus Christ of Latter-Day Saints

- Managed volunteer efforts for 13 teams in 5 cities

Salem, OR

Oct.2012–Oct.2014

Skills and Interests

Programming Languages: R, SAS, SQL, and familiar with Latex, C++

Bayesian Analysis Packages: STAN, NIMBLE, JAGS, SAS

Course Work: Interest Theory, Probability, Life Contingencies, ANOVA, Regression, Bayesian Methods

Hobbies: Racquetball, Piano, Ukulele, Archery, and Programming