William Zachary Horton

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Education

University of California, Santa Cruz **Sept.2019–Current**
PhD, Statistics *Santa Cruz, CA*
- Double fellowship awards for first year
- External fellowships: ARCS Scholar (2021), Koerner Family Fellow (2022)
- Studying Bayesian nonparametric models for renewal processes
- Advanced to Candidacy (Summer 2022)

Brigham Young University **Aug.2017–Aug.2019**
Master of Science - MS, Statistics (Integrated MS/BS) *Provo, UT*
- Fully funded by academic scholarships
- Thesis published in Technometrics: *Template Priors in Bayesian Curve Registration*

Brigham Young University **Jan.2015–Apr.2019**
Bachelor of Science - BS, Actuarial Science *Provo, UT*
- Overall GPA: 3.94, Major GPA: 4.0
- Graduated in top 5% (Magna Cum Laude)
- Dean's list and university scholarships throughout

Relevant Experience

Course Instructor **Sep.2020–Current**
UCSC Statistics Department *Santa Cruz, CA*
- Courses: Stat 7L (3 quarters), Stat 266A (1 quarter)
- Consistently received positive student reviews
- Proactively updated course content to improve quality
- Passionate about teaching well

Teaching Assistant **Jan.2020–Mar.2023**
UCSC Statistics Department *Santa Cruz, CA*
- Courses: Stat 5 (2 quarters), Stat 7 (1 quarter), Stat 131 (2 quarters)
- Prepared and presented materials weekly in labs
- Timely completion of grading duties

Course Instructor **May.2019–Jun.2019**
BYU Statistics Department *Provo, UT*
- Instructor of record for introductory statistics class
- Prepared 6 hours of lecture material each week
- Praised for clear communication skills in student reviews

Teaching Assistant **Aug.2015–May.2019**
BYU Statistics Department *Provo, UT*
- Courses: Intro stats, multivariate analysis, computing, classical inference, correlated data
- Total 8 classes over 6 semesters
- Consistently scored well on student reviews

Course Assistant: Introductory Statistics Online **Aug.2016–Dec.2016**
BYU Statistics Department/BYU Independent Study *Provo, UT*
- Headed the launch of a hybridized online introductory statistics class
- Trained 6 other TA's on how to conduct virtual lab sessions
- Acted as liaison between statistics department and independent study center

Skills and Awards

Communication
- Placed 2nd in 3-minute-thesis
- Presentation award at actuarial conference
- Clear and concise public-speaker

Programming
- 7 Years R Experience
- Familiar with C++, JMP, Python, Julia
- Rudimentary Package Development (see Github)