

Adam S. Robertson

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STATEMENT OF INTENT

I am an undergraduate student studying Applied Math. I want to gain mastery in methods of applied mathematics in order to teach at the university level and apply mathematics in the study of health care.

EDUCATION

BS, Applied and Computational Mathematics (ACME), April 2020

Brigham Young University

- Minor: Computer Science
- Second Major: Spanish Studies
- Current GPA: 3.56
- Relevant Coursework:

Modeling with PDEs	Algorithm Analysis
Uncertainty Modeling	Linear Algebra
Optimal Control Theory	Differential Equations
Discrete Structures	Real Analysis

SKILLS

- Proficient in Python, Java, C++, SQL
- Familiar with JavaScript
- Fluent in Spanish

RELEVANT EXPERIENCE

Researcher, BYU Math Department, Provo, Utah, July 2018—Present

- Create visual representations of plotted tsunamis (Python)
- Learn to use a large computing software written by other developers (Python)
- Problem solve in a team to modify input files correctly
- Won first place out of six presentations in an undergraduate research conference

TA, BYU Math Department, Provo, Utah, September 2019—December 2019

- Covered material from first semester of Single Variable Calculus
- Led discussions in a classroom of approximately forty students in reviewing concepts from class
- Helped grade assignments and exams
- Utilized a variety of teaching strategies to cater to different learning strategies

University Math Tutor/Team Lead, BYU Independent Study, Provo, Utah, January 2018—January 2019

- Diagnosed students' difficulties with material and provided relevant guidance
- Utilized teaching tools, including Adobe Connect, to facilitate learning
- Created explanation videos for math concepts
- Led team of five 5 tutors in developing teaching abilities
- Completed tutoring certification