

Addison Adams

1600 W Plum St 24K, Fort Collins CO 80521

(801) 888-1296

addison.adams@colostate.edu

Current fourth year PhD student

Education

Colorado State University, PhD- Statistics (Aug 2020 - Aug 2024) (Current)

- 3.935 GPA
- Graduate Teaching Assistant
- Graduate Research Assistant - Rocky Mountain Research Station - USFS

Utah Valley University, Bachelor of Science - Mathematics (May 2019)

- Summa Cum Laude; 4.0 GPA
- College of Science Valedictorian

Experience

Summer Associate - Institute for Defense Analysis (June 2022 - Current)

Washington D.C., USA

- Research Design of Experiments for Generalized Linear Models

Actuarial Analyst - Blue Cross of Idaho (Jan 2019 - Jul 2020)

Meridian, Idaho, USA

- Measure and report client healthcare cost performance through statistical methods
- Designed methodology for defining narrow networks, based on provider cost, provider quality, and member disruption
- Consult clients by analyzing data trends, deep-dives, and themes
- Design, build, revise analytical tools through excel, and sql queries

UVU Math Lab Assistant Coordinator - Utah Valley University (May 2018 - Dec 2018)

Orem, Utah, USA

- Hire, train, and manage UVU Math Lab math/stats tutors
- Create and produce math/stats tutoring videos for students
- Revised and taught GRE Quantitative preparation course, open to public

Mathematics/Statistics Tutor - Utah Valley University (Aug 2016 - May 2018)

Orem, Utah, USA

Supplemental Instruction Mentor - Utah Valley University (Aug 2016 - May 2018)

Orem, Utah, USA

Pension Actuarial Intern - Aon (June 2018 - Aug 2018)

San Francisco, California, USA

- Conducted an experience study to validate/update actuarial assumptions for a given population
- Prepare data reports through analysis and statistical methods for the consulting actuary

Cyber Intern - Federal Bureau of Investigation (June 2017 - Dec 2017)

Washington D.C., USA

Salt Lake City, Utah, USA

- Splunk Software Administrator
- Create Visuals/Charts/Graphs for easily readable network health data

Honors, Awards and Presentations

JSM presenter - Toronto CA (August 2023)

DataWorks Conference Speaker - Alexandria, VA (April 2023)

Valedictorian - College of Science - Utah Valley University (May 2019)

College of Science Student Excellence Award - Utah Valley University (April 2019)

Transforming Post-Secondary Education in Mathematics (TPSE) Conference Panelist

Mountain Region Network - Hosted at Utah Valley University (September 2018)

2x Department of Mathematics Honorary Speaker - Utah Valley University (November 2019, 2020)

Current Research Areas

- *Stochastic Inverse Problems*
- *Random Coefficient Regression*
- *Design of Experiments*

Additional Qualifications

Programming Languages/Experience:

Proficient: R, SQL

Used: Python, C++, C#, Proval, Splunk

Actuary Exams Passed:

- P (Probability), FM (Financial Mathematics), IFM (Investment and Financial Markets), STAM (Short-term Actuarial Mathematics), PA (Predictive Analytics), SRM (Statistics for Risk Modeling)

Languages (in addition to English):

Spanish: Advanced in reading, writing and speaking

Service/Community Involvement

Billion Graves Project: Volunteer Laborer (October 2020)

Utah Valley University: Math Forensic Science/Cryptology Mentor (April 2016, April 2017)

Utah Valley University, Departments of Mathematics, Computer Science, and Forensic Science

Camp Rainbow Gold: Volunteer Laborer (September 2019)

Camp Rainbow Gold, Fairfield, ID, USA

Utah Valley University: Recruitment Ambassador (August 2015 - April 2016)

Utah Valley University, Orem, Utah, USA

The Church of Jesus Christ of Latter-day Saints: Volunteer Missionary (April 2013 - March 2015)

The Church of Jesus Christ of Latter-day Saints, Cuautitlán Izcalli, State of Mexico, Mexico