Addison Adams

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Statistician, Researcher, PhD

Experience

Research Staff Member – Institute for Defense Analysis (IDA) (May 2022 – Current)
- Test Science Statistician: Consult and Research
  - Provide statistical consultation both internally to IDA and government sponsor. E.g., update statistical methodologies to the DoD's Hard Armor Testing Protocol
  - Research: Design of Experiments, Evaluation of AI and AI-enabled systems, Decision Theory
- Land Expeditionary Warfare, Test Science Representative
  - Review statistical methodologies for externally published memos, reports, and products from the Land Expeditionary Warfare working group
  - Manage statistical consulting requests and assign work to statisticians within the working group
- Army & Marine Aviation Program Analyst
  - Recommend best Testing and Evaluation practices to government sponsor
  - Analyze operational test data
  - Provide independent findings and recommendations to government sponsor
  - Write memos, reports, presentations for the government sponsor
  - Observe operational testing of military systems
- Division Summer Associate Coordinator
  - Coordinate the division's Summer Associate Program
  - Interview, hire, and manage Summer Associates and their mentors

Graduate Research Assistant – Rocky Mountain Research Station (Jan 2023 – May 2024)
- Provide statistical consultation for researchers within the US Forest Service

Graduate Teaching Assistant – Colorado State University (Aug 2020 – January 2023)

Actuarial Associate – Blue Cross of Idaho (Jan 2019 – Jul 2020)
- Measure, analyze, and report client healthcare cost performance
- Consult clients by analyzing data trends and deep-dives
- Design, build, and revise analytical tools through Excel and SQL queries

UVU Math Lab Assistant Coordinator & Mathematics Tutor – Utah Valley University (August 2016 – Dec 2018)
- Hire, train, and manage UVU Math Lab math/stats tutors
- Create and produce math/stats tutoring videos for students
- Revise and teach GRE Quantitative preparation course

Pension Actuarial Intern – Aon (Jun 2018 – Aug 2018)
- Conduct experience studies to validate/update actuarial assumptions

- Prepare analytical reports for the consulting actuary

Honors Cyber Intern – Federal Bureau of Investigation (June 2017 – Dec 2017)

- Splunk Software Administrator
- Create visuals for readable network heath data

Education

PhD, Statistics – Colorado State University - May 2024

- Dissertation: A Novel Approach to Statistical Problems Without Identifiability
- Research focus: Stochastic Inverse Problems, Nonparametric statistics, Identifiability, Empirical Bayesian

Bachelor of Science, Mathematics – Utah Valley University – May 2019

- College of Science Valedictorian

Additional Qualifications

Programming Languages/Experience:

Proficient: R, SQL

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

Actuary Exams:

Probability, Financial Mathematics, Investment and Financial Markets, Short-term Actuarial Mathematics, Predictive Analytics, Statistics for Risk Modeling

Continuing Education:

GTRI Basic Electromagnetic Warfare, GTRI Radar Fundamentals