

Joe Sadow

✉ sadow.joe@gmail.com

📞 (602)-663-5533

 [LinkedIn](#)

 www.joesadow.com

Education

- **Arizona State University** Tempe, AZ
MA Applied Mathematics *May 2015 - Aug. 2018*
 - Emphasis in numerical analysis, approximation theory, and research skills
 - Advisor: Dr. Rodrigo Platte
- **Arizona State University** Tempe, AZ
BS Mathematics *Aug. 2012 - May 2015*

Experience

- **Edrington Health Consulting** Scottsdale, AZ
Actuarial Analyst *June 2019 - Present*
 - Medicaid (with a sprinkle of Medicare) centered actuarial analysis with tasks including:
 - * Preparing detailed health claims revenue Excel reports
 - * Creating, maintaining, and deriving actionable insights from Excel-based [reserving](#) models for health insurance plans
 - * Assisting in the creation of Medicaid capitation rates via projects surrounding the completion of California states' [Rate Development Template](#)
 - * Developing prices for health claims under the [MS-DRG](#) structure
 - * Assisting in successful completion of miscellaneous data-driven consultations by health insurance plans
 - Specific achievements include:
 - * Developed SAS software which imports and analyzes 834, 820, and 837 claims file types from their [raw form](#)
 - * Implemented office-wide project management tools via Microsoft Teams
- **Grand Canyon University** Phoenix, AZ
Data Science Curriculum Developer *Nov. 2018 - Aug. 2019*
 - Construct the first two courses at GCU's M.S in Data Science program as a data science subject matter expert
- **Grand Canyon University** Phoenix, AZ
Adjunct Mathematics Faculty *Aug. 2018 - Present*
- **Mesa Community College** Mesa, AZ
Adjunct Mathematics Faculty *Aug. 2017 - Present*
- **Massachusetts Institute of Technology: Lincoln Laboratory** Lexington, MA
Radar Software Intern *May 2017 - Aug. 2017*
 - Conduct a literature survey of modern target tracking algorithms to design and implement an improved radar tracking software for a specific military application.
- **Arizona State University** Tempe, AZ
Graduate Teaching Associate *Aug. 2015 - Aug. 2018*
 - Instruct calculus courses using effective teaching methods to best ensure student success in-term and in their future specializations. Responsibilities also include grading and tutoring for upper division mathematics courses.

Languages/Platforms: Microsoft Excel & VBA, SAS, PYTHON, MATLAB, L^AT_EX, R, Basic Javascript, Basic HTML, Basic SQL

Actuarial Exams

- **Exam 1/Probability**
 - Passed Nov. 2019
- **Exam 2/Financial Mathematics**
 - Sitting April 2021