

# MORGAN T. CHIDESTER

Astrophysics P.h.D.

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## WORK EXPERIENCE

### Data Scientist

July 2023 - June 2025

Sorenson Communications

- Provided robust data that saved company substantial amount of money in legal expenses
- Built and productionalized multiple machine learning forecasts
- Miscellaneous data science projects regarding cost analysis, Video Relay Service analysis (including customer activity and churn analysis), Data Engineering tasks, computational statistics, data cleaning, data transfer, etc.
- Built PowerBI reports for data and forecast monitoring

### Adjunct Physics Instructor

Jan 2023 - May 2023

Grand Canyon University, Maricopa Community College

- Instruct University students for College Physics course
- Prepare lectures, prepare lab materials/experiments, create exams

### Graduate Student PhD Candidate

Jan 2021 - Jun 2023

Arizona State University

- Computational stellar astrophysics research for PhD
- Published in professional journal (Astrophysics Journal, ApJ)
- Presentations of research at national and international conferences
- Python programming, data analysis, data visualization, fortran programming, HPC computing for parallel modeling
- Designed and taught computational stellar astrophysics labs for MESA summer school events

### Los Alamos National Laboratory Astrophysics Researcher

May 2017 - Aug 2019

LANL

- Computational astrophysics research
- Data analysis and visualization with python, matplotlib, yt
- Presentations of research at invited talks

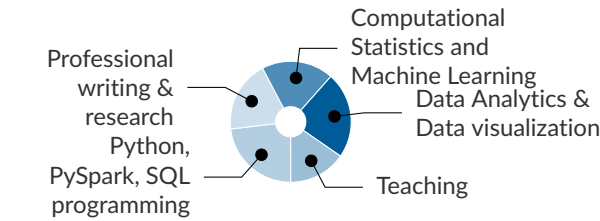
## STRENGTHS

- Tenacious
- Creative
- Resourceful
- Confident
- Personable
- Resilient

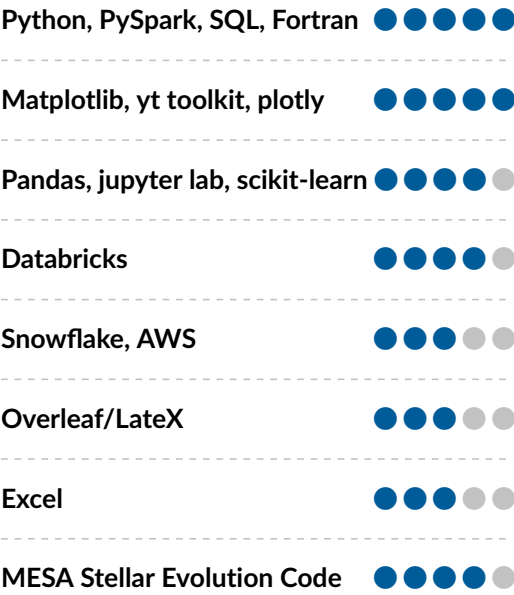
## HOBBIES

- Long Distance Running
- Muay Thai
- Youth Leader for Church
- 4wheeling with husband
- Cooking

## OVER-ALL EXPERIENCE



## TOOLS



## EDUCATION

PhD Astrophysics, GPA-4.0  
Arizona State University, 2023

Bachelor of Science, Applied Mathematics, GPA-3.9  
Southern Utah University, 2019