

## CONTACT

## EDUCATION

B. S.

Physics

Utah Valley University

Jan 2015 - May 2018

Orem, Utah

## SKILLS

### Programming Languages

Python (NumPy, SciPy, pandas,  
scikit-learn, matplotlib)

SQL (MySQL)

C#

LabVIEW

MATLAB

### Microsoft Office

Excel

Teams

PowerPoint

Word

### Google Workspace

Sheets

Chat

Slides

Docs

## CERTIFICATIONS

Data Scientist certification,  
365datascience - In Progress  
Applied Data Science certification,  
MIT Professional Education - In  
Progress

## CAREER OBJECTIVE

For 6 years I have worked on data analysis and visualization utilizing Python and associated libraries while gaining recognition for my ability to effectively communicate and teach difficult, technical concepts to diverse audiences. I am intensely intellectually curious, constantly driven to learn and master new material. My goal is to grow personally and professionally while positively shaping society through my work.

## WORK EXPERIENCE

### Graduate Research Assistant

Auburn University Physics Department

Jan 2019 - May 2021

- Gathered and analyzed experimental data for identification of plasma phenomena.
- Rebuilt and upgraded ALEXIS, an inactive linear vacuum plasma experiment, associated data probes, LabVIEW VIs, and DAQ configuration, extending experiment service life while reducing required maintenance time.
- Mentored and supervised undergraduate students in the ALEXIS Laboratory.
- Wrote the ALEXIS standard operations manual.

### Graduate Teaching Assistant

Auburn University Physics Department

Aug 2018 - May 2021

- Received Graduate Teaching Assistant of the Year award.
- Selected to oversee laboratory classes for physics majors and honors students.
- Taught students from many majors, including liberal arts, engineering, and physics.
- Assisted course instructor with proctoring, scoring, and inputting homework, quiz, lab, and exam scores.

### Undergraduate Research Assistant & Academic Tutor

Utah Valley University

Jan 2015 - May 2018

- Analyzed 15 years of satellite data to identify and quantify specific atmospheric phenomena and associated trends.
- Founded plasma physics research group; applied for grants, managed budget, and supervised members to construct a working plasma generator.
- Built, performed statistical analysis, and optimized a computational model of a plasma engine. Presented findings at a regional conference.
- Sought by the University to teach students; recognized for teaching physics concepts in easy to understand ways.

- Applied for and received research grants every year at a non-research institution.

## Bishopric Counselor - Volunteer

Church of Jesus Christ of Latter-day Saints

Sep 2019 - April 2022

- Assisted local leader in overseeing 300 person membership and associated volunteer staff organization.
- Oversaw 20 managers and teachers; advocated for and implemented regular training.
- Organized and mentored youth to plan weekly activities, provide community service, and set goals.