

# Aj Averett

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## Education

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**Brigham Young University - Idaho**

August 2024

B.S. in Data Science

- Minor in Statistics; Certification in Machine Learning; Major GPA: 3.6

## Experience

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**WPA Intelligence**

July 2022 – November 2022

*Data Science Intern*

- Analyzed/visualized voter data trends with statistics and machine learning models to predict ideological disposition and turnout of various governmental districts across 30+ states; used this information to create digestible reports for 80+ political campaigns
- Automated specific sampling methodologies to decrease polling production time
- Used GIS data to categorize over 100M records of voter data into 12 granularities of population density which increased accuracy and AUC for all future machine learning models

**Mathematics Department- BYU Idaho**

*Project Manager- Data Science Society/Onsemi*

Jan 2023 – March 2023

- Collaborated with Onsemi to produce a system for automated reports using webscraping and NLP
- Organized and led a team of six data scientists over three months to complete various tasks

*Data Science Tutor- R Lab*

May 2022 – Present

- Interfaced and tutored students seeking help in computer science and mathematics for various intermediate level data science courses using various libraries within tidyverse including ggplot2, tidyr, dplyr, and forcats.

*Teacher's Assistant- DS Programming*

April 2022 – Present

- Graded projects and mentored 40+ students in the fundamentals of data science programming and visualization with Python packages including Pandas, NumPy, and Altair.

## Volunteer

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**Maryland Baltimore Mission**

March 2019 - February 2020

*Technology Consultant and Service Organizer*

- Organized community service among teams as regional director and acted as lead technology consultant for an institution of 100+ volunteers; Gained conversational competency in Spanish to better interface and communicate with several multilingual institutions

## Skills

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- **[Python]**- Pandas, NumPy, Seaborn, Altair, Sci-kit Learn; ML, Automation, Basic NLP
- **[R]**- Tidyverse (ggplot2, dplyr, tidyr, stringr); Visualization, Data cleaning, Quarto, Basic GIS