Alan J Averett

832.856.4666 | ajaverett0@gmail.com | https://www.linkedin.com/in/ajaverett/

Education

Brigham Young University - Idaho   Rexburg, Idaho
B.Sc. in Data Science; Minor in Statistics;   *Aug 2024*
- Certifications: Machine Learning, Web and Computer Programming

Skills

- **Python**: Pandas, NumPy, Seaborn/Matplotlib, Plotly, Altair, Sci-kit Learn,
- **R**: Tidyverse (ggplot2, dplyr, tidyr, stringr, forcats), Quarto
- **Other**: SQL, GitHub, Data Viz., ML, Webscraping, Basic NLP, RegEx, Automation,

Experience

WPA Intelligence   Washington D.C.
Data Science Intern   *Jul 2022 – Nov 2022*
- Created digestible reports for 80+ political campaigns by analyzing/visualizing voter data trends with machine learning models that predicted ideological disposition and turnout
- Significantly decreased polling production time by automating sampling methodologies
- Increased accuracy and AUC for all future machine learning models by using GIS data to categorize over 100M records of voter data into 12 granularities of population density

Mathematics Department BYU-Idaho

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 R's tidyverse (including ggplot2, tidyr, dplyr, and forcats) and Python (including Pandas, NumPy, and Altair)

Teacher's Assistant- DS Programming   *Apr 2022 - Present*
- Mentored 40+ students in the fundamentals of data science programming and visualization with Python packages including Pandas, NumPy, and Altair Attended classes to monitor, grade, and tutor

Volunteer

Data Science Society BYU-Idaho   *Jan 2023 – Mar 2023*
Project Manager, Data Scientist- Onsemi
- Collaborated with Onsemi to produce an automated system for news reports using NLP
- Enhanced project productivity by delegating tasks in coordination with team member skills

Maryland Baltimore Mission   *Mar 2019 – Feb 2020*
Technology Consultant and Spanish Service Organizer
- Organized religious community service among teams as a regional director and technology consultant; Communicated and served with local multilingual institutions in Spanish