JAMES CALLAHAN

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CLEARANCE

Active SECRET | Continuous Evaluation

EDUCATION

Master of Science | Quantitative Economics | University of Pittsburgh | 2023
Bachelor of Science | Economics – Persian Language | University of Pittsburgh | 2022

PROFESSIONAL EXPERIENCE

Guidehouse | Arlington, VA   **08/2023 – Present**
Data Scientist - Consultant

- Provides cutting-edge prescriptive, descriptive, and predictive analytics capabilities to public sector clients as part of the Defense & Security team, specializing in applications of data science in the aviation sector.

- Leverages Palantir Foundry running on the AWS GovCloud as a data platform to build highly versatile tools for clients emphasizing data quality and the incorporation of CI/CD practices.

- Presents and explains developed AI/ML and reporting solutions as a client-facing consultant. Engages in business development work, incorporating these solutions into new quals and preparing responses to RFPs.

CGI | Pittsburgh, PA   **01/2023 – 05/2023**
Data Analytics Consultant Intern

- Created ETL and feature engineering workflows. Enforced proper version control (git) with a team of 3 developers.
- Used unsupervised machine learning techniques, including KMeans, One-hot encoding, and hyperparameter tuning (GridSearchCV etc.), to create market-segmentation models for use in the banking sector.
- Produced data visualizations and model documentation.

Pennsylvania Air National Guard | Coraopolis, PA   **12/2017 –12/2023**
Enlisted Aircraft Technician

- Analyzed flight data to troubleshoot, repair, and perform lifecycle management on KC135 jet engines.

- Delivered robust aircraft maintenance solutions to maintain air-refueling capabilities during multiple deployments.

- Collaborated with a team of 14 in managing $640M of government material assets.

CERTICATION

Databricks Lakehouse Fundamentals | 01/2024
Palantir Foundry Data Engineer Associate | 09/2023
Intermediate Persian Language Proficiency| Dushanbe, Tajikistan | 07/2021

LEADERSHIP | VOLUNTEER EXPERIENCE

Vice President of Membership | Toastmasters International | Pittsburgh, PA | 10/2022 – 8/2023
Mentor | United States Air Force White Rope Program | Sheppard AFB, TX | 05/2018 – 07/2018
Volunteer | Habitat for Humanity | University of Pittsburgh | 01/2018 – 12/2021

TECHNICAL SKILLS

Software: Azure, Databricks, Palantir Foundry, R (Shiny, Plotly, etc.), SQL, Python (Jupyter Notebooks, Pandas, scikit-learn, PySpark, etc.), Streamlit, PowerBI, Typescript/Javascript