

BRANDON SAMS

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CAREER EXPERIENCE

ECS: May 2023 - Present

Data Analyst (VA Profile)

May 2023 - Present

- Collected contact information for VEO Comms Annual Sexual Harassment campaign, which saved \$1.68M in printing and postage by prioritizing contact via email. Required working with large datasets composed of millions of records. Utilized data cleaning techniques to deduplicate unnecessary records and reach the most veterans possible.
- Facilitated VA Intent to File campaign, informing veterans of their upcoming expiring claims. This was a time-sensitive joint effort with VBA and VEO. Required comparison of contact info between VBA and VA Profile, and comprehensive logic to determine which should be used.
- Quickly fulfilled high-priority, large volume data requests in the event of natural disasters for VEO Comms Team.
- Accelerated turn-around times (from weeks to minutes) and increased data autonomy by designing, implementing, and maintaining self-service contact information dashboard.
- Investigated and tracked data quality issues as visible in Customer Experience Insights.
- Researched partner systems that are connected to VA Profile, and aggregated data into dashboard. Also developed process so that this dataset would continue to be updated as new partners get connected.

Power App Developer (Enterprise Measurement and Design)

April 2024 - Present

- Developed Power App solution for VEO/EMD Intake Portal, Skills Inventory, and Capacity Management System, which unified workstream across all divisions in EMD.

Traffic Technology Services: 2018 - 2023

Data Scientist Supervisor / Scrum Master

September 2020 - July 2023

- Designed, implemented, and documented an automated data pipeline for traffic signal model generation.
- Managed Big Data pipelines with performance in mind, such as with a dataset that grew by 2TB/day.
- Developed automated system for monitoring prediction quality against user experience.
- Led Agile/Scrum processes for R&D team, including standup, sprint planning, and retrospectives.
- Promoted a culture of transparency, trust, and continuous improvement with communication and leadership skills.

DevOps Engineer

August 2018 - September 2020

- Provided API support for partners and clients using our predictions in their CV2X/Autonomous Vehicles use cases.
- Managed production rollout of new internal software releases, including installation and bug reporting.

PATENTS AND CERTIFICATIONS

DERIVING TRAFFIC SIGNAL TIMING PLANS FROM CONNECTED VEHICLE TRAJECTORY DATA

- Developed software that would aggregate historic GPS vehicle data and build models of traffic signal behavior.
- US Patent No. US-20230013604-A1, Publication Date: 2023-01-19

Certified SAFe 6 Product Owner/Product Manager

SKILLS

- Well versed with SQL and Python for data analysis, including with libraries and frameworks such as Pandas, Spark, Numpy, and Matplotlib in Azure Databricks environment.
- Experienced with the Microsoft Power Platform, including Sharepoint, PowerApps, PowerBI, and Power Automate.
- Strong documentation skills, especially with building Entity-Relationship Diagrams and Confluence.
- Excellent ability to work cooperatively in a team environment.

EDUCATION

Master of Science in Data Science, Bellevue University (3.80 GPA)

2019 – 2021

Bachelor of Science in Mathematics with Minor in Communication, Boise State University (3.59 GPA)

2013 – 2017

- 2-Time National Champion for Competitive Speech and Debate