

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 email contact
- Delivered contact information for VA Intent to File campaign, informing veterans of their upcoming expiring claims
- Quickly fulfilled high-priority, large volume data requests in the event of natural disasters for VEO Comms Team
- Accelerated turn-around times 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
- Exploration, aggregation, and documentation of partner systems that are connected to VA Profile

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
- Utilized unsupervised machine learning (EP-Means) to cluster circularly distributed statistical data
- Developed automated system for monitoring prediction quality against user experience of drivers near traffic signals
- 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 clients using our predictions in their CV2X and Autonomous Vehicle Applications
- Worked with partner agencies to establish traffic signal connectivity for internal data pipeline
- Managed production rollout of new internal software releases, including installation and bug reporting

PATENTS

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

SKILLS

- Confident working 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 PowerApps, PowerBI, and Power Automate
- Strong writing, documentation, and speaking skills especially with regard to Agile
- Excellent ability to work cooperatively in a team environment
- Genuine sense of curiosity to know how things work

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

Valedictorian, Mountain Home Senior High School (4.0 GPA)

2009 – 2013