

SAMUEL FORREST WILLIAMS

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Data Analyst

Creator of data-driven strategies to tackle complex challenges. Transforming big data into actionable insights, optimized workflows, and informed decisions.

TECHNICAL SKILLS

Git | **SQL**, **dbt** | **Python** (Pandas, Numpy, ML, NLP) | **GIS** (GeoPandas, QGIS, Shapely) | **Google Suite** (BigQuery, Looker Studio, Apps Script, Sheets) | **Dashboards** (Tableau, Hex, Streamlit) | **Visualizations** (Matplotlib, Seaborn, Plotly, Bokeh)

EXPERIENCE

Deputy Data Director, *Virginia Democratic Coordinated Campaign*, Richmond, VA 06/2025 - 11/2025

- Field Infrastructure**: Built GOTV Progress to Goal (PTG) from scratch to track canvassing across 10,800 turfs; developed reporting systems for Distributed and Out-of-Commonwealth field programs.
- Turf Restructuring**: Rebuilt statewide turf assignments from fragmented precincts into contiguous geographic units, correcting boundary errors and balancing target distribution; developed Streamlit App allowing organizers to map turfs and download data as CSVs. ([Streamlit App - VA Turf Map](#))
- API Automations Development**: Created Python automations with VAN API to close shifts, refresh turfs, and automate Google form responses for applying activist codes and survey question responses, and shifting volunteers into events.
- Language Targeting**: Analyzed ACS data to identify low-English proficiency precincts for Spanish phone banks; used L2 voter file data aggregated at census block level to target literature distribution in Spanish, Korean, Arabic, Vietnamese, and Mandarin.

Deputy Data Director, *Arizona Democratic Coordinated Campaign*, Phoenix, AZ 05/2024 - 11/2024

- Analytics**: Built detailed reports, visualizations, and dashboards on historical voting trends, turnout patterns, and county vote tally cadences that updated in real-time. Conducted precinct performance and outstanding ballot analysis to guide targeted canvassing and ballot cure efforts during and after election.
- GIS**: Managed all GIS and mapping priorities across campaign departments, aggregating voter data (party affiliation, support scores, past voter behavior) along precinct, county, legislative district, and tribal land levels.
Developed a Voronoi-based model to identify vote centers serving the most registered voters, directing the strategic allocation of 1,863 credentialed poll observers.
- Election Administration**: Created a standardized database of Arizona's 1000+ voting and dropbox locations for administering iwillvote.com. Produced reports for legal team to identify voting location coverage gaps, successfully advocating County Boards to open new polling sites in remote tribal areas of Navajo County and extend early voting at UofA and NAU campuses.

Investigations Analyst, *U.S. Dept. of Commerce, Bureau of Census*, New York, NY 03/2019 - 03/2023

- Applied risk assessment methodologies in the adjudication of federal background investigations for Public Trust and National Security roles per 5 CFR §731 and E.O. 12968.
- Supervised the pre-employment vetting recommendations of a 40-person analyst team, providing final approval to ensure legal compliance and identify cases requiring further investigation.
- Assigned to a specialized team for high-risk case adjudications, resolving 400+ D-Major/C-Substantial Issues cases identified by the DoC Inspector General for urgent resolution.

Immigration Legal Counselor & Partnership Specialist, *New Americans Initiative*, New York, NY 01/2017 - 03/2019

- DOJ-accredited legal counselor; guided clients through immigration benefits processes, including Naturalization, DACA, TPS, and Removal Proceedings.
- Orchestrated a 2-day Naturalization Fair with NY-09 Congresswoman Yvette Clarke's office, processing 250+ naturalization applications, meeting annual goals, and assisting partner organizations with surplus client referrals.

TECHNICAL PROJECTS

Building a Party Support Model & 2022 Midterm Voting Behavior - [[Project Page](#)]

Employed the 2021 American Community Survey (demographic, housing, economic, and social profiles) to create 450 unique features for predicting Partisan Voter Index (PVI) scores across all 435 U.S. congressional districts following 2020 Redistricting.

NLP Analysis of Messaging for 2022 Democratic Candidates - [[Project Page](#)]

Used unsupervised learning to analyze the campaign tweets of Reps. Chris Deluzio and Marie Gluesenkamp-Perez, two Democratic candidates who significantly overperformed in Republican-leaning districts.

EDUCATION & TRAINING

University of North Carolina, Chapel Hill, NC
B.A., Chemistry and Political Science

Arena Academy 2024, Atlanta, GA
Data Track

**OPM Suitability and Fitness
Adjudications**, Slippery Rock, PA

Flatiron School, New York, NY
Immersive Data Science Bootcamp program

Immigration Law DOJ Accreditation

Blueline Fellow, 2025 Cohort