

# Elias Weston-Farber Analytics Engineer

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## Progressive Tech Experience

- **Generation Data Training:** Experience with Voter File Data Visualization, NGP Van admin, BigQuery, Looker Studio, and Campaign Strategy
  - **CTCL Civic Data Fellowship:** Collected and cleaned ballot data for the 2018 midterms and learned about the idiosyncrasies of many state, county, and city level elections
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## Work Experience

### Senior Cloud Engineer & Data Manager

**Johns Hopkins School of Public Health, Baltimore**

2023 – Present

- Engineered and implemented an automated system for DSMB Report Generation, leveraging advanced task queuing mechanisms to increase reporting efficiency and reliability.
- Led the technical split of the METRC Reports into two specialized systems, improving system responsiveness and user engagement through the implementation of HTMX and WebSockets for dynamic content updates and real-time interactions.
- Enhanced data integration and management capabilities using Firebase, streamlining operations and improving data synchronization across distributed environments.

### Senior Research App Developer & Data Manager

**Johns Hopkins School of Public Health, Baltimore**

2020 – 2023

- Managed a team of 6 developers to build a comprehensive data analytics platform on GCP, significantly enhancing data processing capabilities and user satisfaction.
- Designed and executed a system for real-time data issue tracking and notifications, facilitating rapid response measures that supported a major publication.
- Developed tailored analytical tools and reporting solutions for research teams, integrating technologies such as Selenium, Scrapy, and Plotly.

### Research App Developer

**Johns Hopkins School of Public Health, Baltimore**

2019 – 2020

- Developed a robust data storage solution for managing administrative data across 30+ METRC studies, leveraging custom APIs and a cross-platform Electron application.
- Automated the assessment and reporting for METRC studies using custom R packages and a Python+R Docker environment, enhancing operational efficiencies.

### Backend Developer and Data Scientist

**Civically Engolved, Chicago**

2018 – 2019

- Led a team of interns in designing and implementing API-based data integration and management solutions, including geospatial data analysis using Google Cloud technologies.
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## Education

**University of Maryland Baltimore County, Baltimore**

*Bachelor of Science in Environmental Science & Geography*

*Bachelor of Arts in Political Science*

2018

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## Technical Skills

- **Languages:** Python, R, JavaScript, SQL
- **Frameworks/Libraries:** Flask, Node.js, PyTorch, Pandas, Tidyverse, Shiny
- **Technologies:** Docker, AWS, GCP, GitHub Actions, HTMX, WebSockets, Firebase
- **Data Analysis Tools:** Tableau, ArcGIS, QGIS