Elias Weston-Farber

Position: Analytics Engineer **Location:** Baltimore **Phone:** 609-442-9837 **Email:** eliaswestonfarber@gmail.com **Portfolio:** eliastechlabs.com

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

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

Civicly Envolved, 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.

Education

University of Maryland Baltimore County, Baltimore
Bachelor of Science in Environmental Science & Geography
Bachelor of Arts in Political Science
2018

Technical Skills

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