

OBJECTIVE

Passionate data practitioner in the intersection of progressive politics and tech. I apply engineering and analytics to serve the fight against fascism.

EDUCATION

Hunter College, CUNY  
Bachelor of Science in Computer Science, Minor in Mathematics

New York, NY  
May 2024

WORK EXPERIENCE

- Research CollaborativeRemote
- Progressive research and messaging organization supporting elected officials, nonprofits, and activists.
- Associate Data EngineerJanuary 2025 – Present
- Defined a data-driven engagement strategy for 2025, delineating metrics to measure success and growth across briefings, email lists, research portal, and Substack livestreams.
  - Synthesized last year's engagement performance into actionable takeaways, creating high-level visualizations to be presented to board members and funders along with complex descriptive analysis.
  - Utilized the BlueSky API as well as Substack's subscriber data to track and report follower data as the organization founder's social media presence rapidly grew over 200% in the months post-election.
  - Built and maintained a Google People API-based contact management system for a partner organization, managing 3000+ deduplicated contacts.
- Data AnalystSeptember 2024 – December 2024
- Closely monitored our engagement data, creating and presenting reports from our briefing performance and email engagement to optimize outreach during the 2024 presidential election.
  - Developed web scrapers using Python to extract contact information from progressive organizations' websites in order to expedite targeted outreach.
  - Built targeted outreach and communication lists by filtering and querying the database to improve campaign effectiveness.
- Data & Analytics InternJune 2024 – August 2024
- Maintained our CRM database of 16000+ contacts across 4000+ organizations, performing data cleaning tasks such as deduplication and creating automated workflows to update object properties.
  - Built dynamic and interactive dashboards for both research and engagement teams, utilizing the Zoom and HubSpot APIs to create automatic data pipelines, performing ETL operations to refresh datasets about over 6000 unique attendees of regularly occurring webinars and 1200+ research distribution email subscribers.

PROJECTS

- iMessage Wrapped
- ChatGPT, Google NPL, SQL, Python, Pandas, Matplotlib, Seaborn, NumPy, Jupyter Notebook
- Accessed my Mac's SQLite database to analyze my 2024 iMessage data, drawing insights from 29000+ text messages with 97 different contacts and creating visualizations to mimic Spotify's end-of-the-year Wrapped.
  - Utilized the Google Natural Language API for sentiment analysis and OpenAI API for tonal analysis, prompting high-level insights to assess how my texting patterns varied from relationship to relationship with six different relationship types.
- AudioCard | Product Owner & Full Stack Developer
- Javascript, Node.js, Express, React, Bootstrap, TensorFlow, AWS, MySQL, Sequelize ORM, Google Cloud, and Firebase
- Led development efforts on an Agile team for an audio-based flashcard web application that uses automated speech recognition to test its users.
  - Set sprint goals, onboarded new developers, and headed research on machine learning models for string matching.

TECHNICAL SKILLS

- Programming Languages:** Python, R, SQL, JavaScript, C++, HTML, Dart
- Libraries/Frameworks:** Pandas, NumPy, Seaborn, Matplotlib, Scikit-learn, TensorFlow, React
- Tools & Platforms:** GitHub, Tableau, HubSpot, Google Cloud, AWS, Firebase

CERTIFICATES

- Professional Certificate in Data Analytics, Google
- Skills:** SQL, Tableau, R, Data Ethics