

Caroline Glazer

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Data expert with experience building data pipelines using SQL, Python, Snowflake, dbt, and Airflow. Demonstrated skillset in geospatial analysis with open-source GIS tools, including PostGIS, GDAL, Google Earth Engine, OpenStreetMap, and Leaflet.

WORK HISTORY

Starry, Inc. | Boston, MA (Remote)

Senior GIS Analyst

Mar 2022 – Present

- Work cross-functionally with data analytics and engineering teams to build and maintain spatial databases and ETL pipelines using dbt, Airflow, PostgreSQL, and Snowflake.
- Create and maintain "serviceability pipelines" in dbt and Airflow to translate Line-of-Sight and uRSSI geotiff simulations into actionable address-level serviceability predictions and predict property fiber feasibility based on parcel-fiber proximity.
- Use Jupyter Notebooks and Looker to provide tooling for determining build site feasibility, improving geocoding and de-duping of address data via third-party APIs, and automating the process of new address insertion.
- Conduct analyses and produce reporting for both technical and non-technical audiences using SQL in various environments (Postgres, Snowflake, Looker) - e.g. to communicate effects of changes to serviceability prediction models, measure feasibility of external partnerships to national markets.
- Source parcel, building, and address datasets to create comprehensive property databases for Starry markets. Contribute to ongoing updates and maintenance of these databases.

GIS Analyst

Oct 2020 – Mar 2022

Jasper Ridge Biological Preserve (Stanford University) | Woodside, CA

GIS Data Analyst

Nov 2019 – Oct 2020

- Manage storage and maintenance of spatial datasets for use in a Social-Ecological Health Assessment of the Santa Cruz Mountains Stewardship Network region.
- Use ArcGIS Pro, AGOL, Google Earth Engine, OSM, and Postgres/PostGIS to develop GIS layers, user applications, databases, and print materials to organize and display large quantities of data related to the ecological health of the region.

Stanford Jazz Workshop | San Francisco, CA

Program Associate/Marketing Assistant

Jun 2017 – Aug 2019

SKILLS

Programming Languages: SQL (PostgreSQL/PostGIS); Python (incl. libraries: pandas, geopandas)

Tools/Platforms: dbt; Airflow; QGIS; ArcGIS Pro and ArcGIS Online; Looker; Jupyter; GDAL; Google Earth Engine; Leaflet; Open Street Map and tools; Adobe Photoshop, InDesign, Illustrator, and Premiere; Google Cloud Platform (esp. App Engine, Google Maps APIs)

Certifications: General Class amateur radio license, Wilderness First Aid

EDUCATION

Foothill College, Los Altos, California

A.S. in Geographic Information Systems Technology

Sep 2019 – Dec 2020

Carleton College, Northfield, Minnesota

B.A. in Linguistics, B.A. in Music

2013 – 2017

OTHER EXPERIENCE

California Explorer Search and Rescue (Cal-ESAR), Volunteer

May 2018 – Dec 2021

- Cal-ESAR responds to searches and other emergencies throughout Northern California. Cal-ESAR is a resource of the Governor's Office of Emergency Service. I assisted with GIS and graphic design needs and am trained in cross-country navigation, technical rope skills, radio operation, first aid, and backcountry survival.