Stephen Epps

GIS / Data Analyst

stephenepps@fastmail.com ✉
github.com/stepps00 🌐
linkedin.com/in/stephenepps 🌐

PROFESSIONAL EXPERIENCE

Snap Inc.   **March 2018 - February 2024**
Data Analyst IV: 2021-2024; Data Analyst II: 2019-2021; Data Engineer: 2018-2019   *San Francisco, CA*
- Utilized QGIS, Python, and GitHub to validate, modify, and create location data used across Snapchat
- Produced SQLite files for Snap's internal location database and reverse geocoder, which saved $50M+ annually
- Worked with legal, trust & safety, and product teams to develop moderation policy and training materials
- Managed and trained a team of location moderators and co-managed an international, 140+ member moderation team tasked with evaluating user feedback and editing location data in production environments
- Used BigQuery, SQL, and Looker to identify root causes of data quality issues and ETL failures, then offered feedback and tooling suggestions to engineering teams to enhance data pipelines and quality

Mapzen   **April 2016 - December 2017**
Data Gardener   *San Francisco, CA*
- Procured, verified, and standardized open source data for use in the Who's On First gazetteer
- Used QGIS, Python, and open source tools to manage and update millions of administrative and venue records
- Reported and fixed issues, responded to user feedback and reports, and documented data management techniques, updates, and general information to engage the public about the gazetteer

Self-Employed   **September 2014 - October 2017**
GIS Consultant   *San Francisco, CA*
- TripAdvisor: Created country-specific administrative data to reverse-geocode TripAdvisor's location datasets
- National Geographic: Localized place names and analyzed geodata used in atlas and map products
- Mobility Planners: Designed location datasets and produced maps for use in municipal plans

Apple   **March 2015 - April 2016**
GIS Specialist (contractor)   *Cupertino, CA*
- Digitized public transit feature geometries and edited attributes using QGIS and Python
- Integrated LiDAR-derived products with other GIS datasets for comprehensive spatial analysis

CONTRIBUTIONS

Who's On First   **April 2016 - Present**
- Use QGIS, Python, and GitHub to maintain and update records and metadata in a global, openly licensed gazetteer of place data sponsored by the Linux Foundation and used in mapping platforms like Uber and Snap
- Source and document new data sources, transform various geospatial data formats, develop standardized schemas, conduct general project maintenance, and track issues

Natural Earth   **September 2017 - Present**
- Review and update metadata in a public domain map dataset for GIS and cartography projects
- Localize and translate place names and attributes, correct administrative place features, and validate geometries

EDUCATION

General Assembly, August 2016
Python Programming Certification

San Jose State University, August 2013
Master of Urban Planning

San Francisco State University, December 2009
Bachelor of Arts, Urban Studies

TECHNICAL SKILLS

Geospatial: *QGIS, GDAL/OGR, Mapshaper, ArcGIS, Shapely/GEOS library, Geopandas library, LiDAR*

Data: *Python, SQL, BigQuery, BBEdit, Looker, Google Docs Editors*

Project Management: *Git/GitHub, Jira, Zendesk*

References available upon request