Tarik Anwar

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GIS Technician (Hybrid)   February 2022-Present CBRE|Raleigh Raleigh, NC

- Produce multivariate demographic web and static maps in order to show areas of suitability within the market.
- Analyze Mass Mobile Data in order to determine custom trade areas, foot traffic, as well as tourism impact.
- Redesign the look of our webapps to provide clients and brokers a better user experience.
- Ameliorate the production of static aerial market view maps by improving the aesthetic and the workflow to produce them more rapidly.
- Assist in the production of quarterly market overview dashboards used by every service line (Multifamily, retail, office, etc).

GIS Research Assistant (Remote) January 2020-February 2022 Ingenium Professional Services, INC Contracted by Oak Ridge National Lab

- Significantly improved a satellite imagery object detection algorithm by meticulously digitizing buildings and roads from all over the world with a 12-person team.
- Single handedly wrote a python script that reduced project workflow time by automatically generating digitizing ready shapefiles with specific names.
- Came up with a new road network realignment workflow by acquiring OSM data and spatially adjusting polylines that are misaligned on satellite imagery, effectively reducing the need for labor intensive labeling tasks.
- Led manual QA/QC of hundreds of vector and raster training data to further the accuracy of the algorithm.

Sustainability Analyst/CAC AmeriCorps Member (Contract) Jan-Dec 2019 City of Knoxville's Office of Sustainability Knoxville, TN

- Aided decision makers by performing data entry, quality assurance, and analysis on municipal utility data for 120 sites with 70,000+ records in total.
- Built an Access SQL query that calculated an annual cost and consumption of the city's solar energy.
- Individually collected and recorded 300+ GPS coordinates of electric scooter infractions around the city to create a heat map that showed were infractions were occurring the most often in the city during the pilot month of their introduction.
- Created 2 additional maps for city officials displaying areas of high electric scooter activity around the city for targeted safety outreach purposes by wrangling data from SPIN that had 11,000+ recorded individual trips for the first two months.
- Spearheaded re-certification efforts for National Wildlife Federation wildlife habitat program through outreach initiatives that range from designing informative webpages, delivering presentations, and participating in local events through booths.
- Mentored and managed interns on a variety of projects.

SKILLS

Software: ArcGIS Suite (WebBuilder, MapViewer, Dashboards), QGIS, Microsoft Office Suite, Tableau, Github/GIT.
Coding: Python, SQL, HTML, CSS, Javascript.
Databases: Access, PostgreSQL, PostGIS.
Languages: English and French (Bilingual), Spanish (Professional Working Proficiency).
Bachelor of Science: Ecology and Evolutionary Biology May 2018 **Minor: Public Health** GPA: 3.42 Tulane University, New Orleans, LA