

TECHNICAL SKILLS

Programming Languages Python, R, SQL.
Analytics matplotlib, numpy, pandas, plotly, seaborn.
Web Deployment GitHub Pages, TravisCI, Netlify, Jekyll.
Web Development HTML5, CSS, JS, markdown.

Pythonic GIS geopandas, fiona, Kepler.gl, shapely, folium.
GIS Desktop Apps QGIS, ESRI ArcGIS (ArcMap).
GIS Web Apps ArcGIS Online, MapBox, Leaflet, CARTO.
Version Control Git, GitHub.

PROJECTS

Breathing Between the Lines: Air Pollution & Redlining
Project presented at the conclusion of the Summer 2020 Data Strategy Mentorship Program, for a live audience of 200 participants at the Data for Social Impact: Racial & Economic Justice Conference, hosted by ParsonsTKO & TechSoup Global (Aug. 2020). [Summary](#) [StoryMap](#)
[Python](#) [Spatial Autocorrelation Analysis](#) [ArcGIS Online](#)

Data Analysis of Lyft's Bay Wheels in San Francisco
Capstone project through SharpestMinds: I am conducting a comprehensive analysis of Lyft's bike-sharing program in San Francisco for 2019-2021 using a dataset of over 3 million data points, discovering trends and insights based on industry-recognized KPIs. [Report](#) [GitHub Repo](#)
[Python](#) [Google Colaboratory](#) [Jupyter Book](#) [Data Wrangling](#)

EXPERIENCE

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| Jun '20 - ongoing
Remote | Data Science Fellow, SharpestMinds <ul style="list-style-type: none">Mentoring program to improve in-demand programming and project management skills. |
| Jun - Aug '20
Remote | Data Science Fellow Data Strategy Mentorship Program, ParsonsTKO & TechSoup Global <ul style="list-style-type: none">Trained team members on data collection using Python APIs and Amazon S3. Article |
| Feb - Jun '19
San Francisco, CA | Citizen Science Research Intern, Caravan Studios (a subdivision of TechSoup Global) <ul style="list-style-type: none">Built a step-by-step online tutorial on assembling the hardware and software of low-cost air quality monitoring units, to develop actionable community-driven insights. TutorialResearched public opinion on air pollution through social media, API data, web scraping, and literature review as supporting material for funding opportunities. GitHub Repo |
| Mar '15 - Jul '16
New York City, NY | Client Services Ops. (Sr. Blueprinter), xAd Inc (rebranded to Groundtruth Inc) <ul style="list-style-type: none">Created over 40,000 custom vector polygons on the company's SaaS geospatial platform to enable the delivery of geo-targeted mobile ads with cutting-edge accuracy.Researched and implemented quality management and control strategies, leading to gains in productivity and digitizing accuracy across remote offices. |
| Jun - Nov '14
 Mar - Jul '17
Washington, DC
 Remote | Data Visualization Intern Associate Consultant, HIP Consult Inc. <ul style="list-style-type: none">Mapped over 100,000 km of longhaul and metropolitan fiber optic networks across the Global South for the company's SaaS GIS platform and SQL database.Created marketing material (maps, case studies) in French and Portuguese for international client outreach in the Information and Communications Technology industry. |

EDUCATION

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| 2016 - 2021 | Master of Environment, Environmental Impact Assessment Concordia University
Master's Thesis: <i>Moving Epistemic Boundaries: Community-Based Air Quality Monitoring & Environmental Justice for Strategic Environmental Assessment.</i> |
| 2018 | Data Analytics & Visualization Certificate University of California, Berkeley Extension |
| 2011 - 2013 | Bachelor of Art, Geography, with a Minor in Geospatial Information & Technology University of California, Berkeley |