

# RICK SPITZER

Phoenix, AZ 85021

Phone: (714) 931-1850 | Email: rick.spitzer@yahoo.com

LinkedIn: <https://www.linkedin.com/in/rick-spitzer/> | GitHub: <https://github.com/pspitzer86>

Portfolio: <https://pspitzer86.github.io/>

## SUMMARY

Geographic Information Systems Analyst with expertise in utilizing ArcGIS and related programs to collect, interpret, and edit data. Trained in manipulating tabular, structured, and raw data, and summarizing, joining, and linking related data in software such as Excel and Tableau. Adaptable and able to master new skills quickly with an exceptional ability to recall information. Skilled in scripting/application development utilizing SQL, Python, Javascript. Looking to move my career toward data science and visualization, transforming data into creative business insights for companies with big ideas.

## TECHNICAL SKILLS

**Tools:** Tableau, Excel, Python, Javascript, Pandas, Matplotlib, SQLAlchemy, Web Front End, D3, Plotly, Flask, Leaflet, JSON, Splinter, Requests, Beautiful Soup, ETL, Machine Learning

**Databases:** PostgreSQL, MongoDB

## PROJECTS

**Wine Quality Prediction** - <https://ucsd-winequality.herokuapp.com/>

- 4-person project using the UCI machine learning wine quality dataset to create an interactive app for prospective winemakers to test expected wine quality based on physicochemical components.
- Responsible for introduction verbiage, correlation visualizations, web page manipulation.
- Javascript, Plotly, Flask, HTML/CSS

**Interactive Earthquake Activity Map** - <https://pspitzer86.github.io/Leaflet-Challenge/Leaflet-Step2/>

- Interactive map of the last 30 days of earthquake activity using current USGS data.
- Responsible for all functionality.
- Javascript, D3, geoJSON API, Leaflet, Mapbox, HTML/CSS

**Interactive US Census Plot** - <https://pspitzer86.github.io/D3-Challenge/>

- Interactive scatter plot with multiple, changeable axes comparing health risk factors.
- Responsible for all functionality
- Javascript, D3, HTML/CSS

**Belly Button Diversity Dashboard** - <https://pspitzer86.github.io/Plot.ly-Challenge/>

- Interactive dashboard visualizing subject data from a study looking into bacteria types present in navel samples.
- Responsible for all functionality
- Javascript, Plotly, D3, HTML/CSS

## EXPERIENCE

### GIS Property Analyst

#### Maricopa County Assessor's Office

Feb 2019 –Present

Phoenix, AZ

Using ArcMap/ArcPro and data organization programs to maintain a digitized parcel fabric of property ownership and property transfers throughout Maricopa County, the most populated county in Arizona. Participated in various projects in order to prepare the fabric and ownership information for transition to new software.

#### Key Accomplishments:

- Processed recorded deeds dealing with ownership transfer and parcel splitting.
- Created subdivisions from recorded plats to be added to the fabric for future construction projects.
- Communicated with customers to ensure parcel accuracy from surveys and property transfers and corrected any issues to ensure accurate ownership in the county assessor's office database.

- Participated in a fabric clean-up pilot project looking into and fixing errors throughout various areas of the parcel fabric.

**GIS Technician Contractor  
Apple (Apex Systems, Inc.)**

Nov 2017 – Nov 2018  
Sunnyvale, CA

Used editing tools in Apple's proprietar ArcGIS/ArcFM program and various databases to create and maintain maps and GIS spatial data for the Apple Maps iPhone Application on their Transit team.

*Key Accomplishments:*

- Digitized and edited transit features (stations, ferries, rail line) for various locations around the world using general GIS principles and concepts.
- Experience using SQL coding to query databases to be organized in Excel and other programs for analysis.
- Used QGIS software to create shapefiles of GIS datasets for organization, presentation and assignment distribution.
- Led digitization projects and prepared future projects for local GIS team and outsourced team in Hyderabad, India.

## **EDUCATION**

**Data Science and Visualization Certificate: University of California, San Diego, San Diego, CA**

A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning

**Bachelor of Science, Geology: Arizona State University, Barrett Honors College, Tempe, AZ, May 2017**