

Caroline Schurter

San Marcos, CA 92078

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[LinkedIn](#)

Data Analyst Profile

Experienced business strategist skilled at managing data to respond to real world business problems.

Technically sophisticated professional, highly proficient in organizing, summarizing, analyzing, modelling, and visualizing data for use in numerous data analytics and data science applications. Proficient in aggregating, transforming, and interpreting data from multiple sources to create reporting packages, dynamic dashboards, and other analytics tools for asset management. Complementary experience managing data to drive empirically based decision-making in real estate sector to support multi-million dollar negotiations.

Core Competencies:

- Statistical Analysis
- VBA Scripts / Python Scripts
- Python Requests / JSON Parsing
- Graphs, Charts, and Tables
- Data Visualization / Java Script
- SQL Commands
- Social Media Trends / Business Intelligence
- Database Development
- Data Mining & Interpretation
- Interactive Websites & Applications

Professional Experience

Infinite Root Software Inc. – San Marcos, CA

ETL Analyst and Web Developer, Junior (2017 to Present)

Develop and maintain clients' web applications for SES using Visual Studio Code, HTML, PHP, Python, JavaScript, jQuery and CSS. Design custom database models and diagrams and deploy to MySQL and Microsoft SQL Server. Develop ETL routines used to extract data from client inputs from various formats, transforming them into normalized data models to be loaded into relational databases. Write customized Web APIs to provide data access to client data in JSON format.

Key Projects / Contributions:

- Support acquisition of new business and revenue streams with rapid prototype development showing specific functionality requested by clients—tools included tools Python, Pandas, Matplotlib, and Flask.
- Created landing and login pages for Del Mar Union School District (kgpf.us/DelMar), Greenfield Union School District (kgpf.us/Greenfield), Fusion Data Management (ugsfdm.com) and Underground Solutions' Operations Management Website (ugsops.com).

Legacy Realty / Keller Williams – San Diego, CA

Realtor (2009 to Present)

Manage strategies driving sales of condominiums, town houses, and single-family residences with market values between \$200K to \$3M, representing developers, sellers, and buyers. Engage business intelligence and data visualization tools to identify and develop new analyses and quantitative solutions to support business growth. Monitor financial markets, real estate industry, and economic trends to assess portfolio risk, develop plans for risk mitigation, and negotiate sales and purchase contracts.

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Selected Achievements:

- Acknowledged professionally for superior client services and contributions to financial performance of company.
- Produced 30% increase in new business with 45% upward trend in personal referrals.

*Additional background as **Office Administrator** and **Bookkeeper**, Business America, San Marco, CA.*

Technical Proficiencies • Sample Projects

Python, Pandas, Matplotlib, Plotly, MySQL, Tableau, Excel

VBA, HTML, CSS, Bootstrap, Flask, SQLAlchemy, JavaScript

Heroku, Jupyter Notebook, Visual Studio Code, MongoDB, Postman, PHP, jQuery

Projects: <https://cschurter.github.io/portfolio.html>

- **Pet Finder App** (https://github.com/cschurter/PuppyZon_Final). Developed app to upload photographs and locate animals available for adoption, using Flask program to process input data from website and deliver photos to Machine Learning segment (ML). Created ETL routines to extract data from petfinder.com Web API and transformed data into normalized data models to load into relational database.
- **Home Finder Webpage** (<https://github.com/cschurter/myHomeSearchProject2>; <https://my-home-search.herokuapp.com>). Created home search web application to locate homes within specific school districts. Extracted data from niche.com and zillow.com through web scraping and web API calls. Transformed collected data into relevant and usable forms, and loaded information into database for application consumption.

Education and Credentials

Data Analysis and Visualization Certificate (2019)

University of California San Diego Extension – San Diego, CA

Acquired solid skill set in techniques used for statistical modeling, data visualization, web scraping, and data base languages. Enhanced ability to gather, transform, analyze, and visualize data to communicate and gather business insights, determine trends, and develop strategies to advance institutional objectives. Managed and analyzed large datasets, studying data mining, big data applications, and data product development.

Information Technology Certificate (2017)

Palomar College – San Marcos, CA

Bachelor of Science In Commerce

De La Salle University – Manila, Philippines