

Caroline Schurter

San Marcos, CA 92078

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[LinkedIn](#)

Data Analyst Profile

Skilled at managing data to respond to real world business problems.

Proficient in organizing, summarizing, analysing, 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.

Core Competencies:

- DevExpress
- MySQL
- T-SQL
- Tableau
- Data Visualization
- Database Development
- Dashboard Development
- Web Application Development
- MVC Architecture
- Interactive Websites & Applications

Professional Experience

Infinite Root Software Inc. – San Marcos, CA

ETL Analyst and Web Developer, Junior (2016 to Present)

Under the supervision of the senior project engineer, working on Azure environment, develop and maintain clients' web applications reporting modules using Visual Studio, Entity Framework, C#, 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:

- **Junior Report Developer and Analyst – UGSI**

Part of the development team for Underground Solutions' Fusion Data Management (ugsfdm.com) and Operations Management (ugsops.com) websites. Develop web application reports using DevExpress, C#, T-SQL and HTML. Integrate multiple Azure SQL databases and create SQL queries, stored procedures, views, and test scripts to implement defined database schema provided by the lead engineer to be used by the web application for visualization and reports.

- **Metrics & Reporting Analyst – UGSI**

Create and manage dashboard reports to improve KPI's for management review.

Identify areas of opportunity and improvement within processes and tools based on reporting results and client feedback.

- **Junior Web Developer and ETL Specialist**

Created landing and login pages for Del Mar Union School District (kgpf.us/DelMar) and Greenfield Union School District (kgpf.us/Greenfield). Create ETL procedures to streamline data workflow from disparate client sources into common MySQL databases.

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*Additional background as Realtor, Legacy Realty, Santee, CA, **Office Administrator**, Business America, San Marcos, CA, Project Support, SoftTech Advantage(STA), Philippines.*

Technical Proficiencies • Sample Projects

Python, Pandas, Matplotlib, Plotly, MySQL, Microsoft SQL Server, Tableau, Excel, DexExpress
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

Phi Theta Kappa Honors Society

Bachelor of Science In Commerce

De La Salle University – Manila, Philippines

BS Computer Science, Incomplete

STA College of Compute Science – Manila, Philippines