SCOTT SCHRIVER

DATA ANALYST

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PROFESSIONAL PROFILE

An experienced civil and mechanical engineer who enjoys interpreting meaningful data to provide key and fundamental insights.

SKILLS

SQL

Python

R

Tableau and Power BI

Excel Pivot and Power Pivot

Visual Basic, QGIS, AutoCAD and Microstation

EDUCATION

University of Tennessee, Knoxville, *Cum Laude*
Engineering Science and Mechanics
Nashville Software School Data Analytics
Expected graduation: June 2022

CERTIFICATIONS

MITX Analytics Edge (R, Excel, Statistics)
Nashville Software School Jumpstart (Python)
Johns Hopkins Data Scientist Toolbox (R)
DOT Root Cause Investigation

DATA ANALYTICS EXPERIENCE

Nashville Software School   January 2022 - Present

Data Analyst Apprentice

Intensive part-time boot camp focusing on data analytics fundamentals and problem solving. Used real-world datasets on projects where findings were presented to community stakeholders.

- Utilized Microsoft Excel pivot tables and lookups and connected to external data using PowerPivot
- Built and deployed dashboards with Tableau and Power BI
- Wrangled data and performed exploratory data analysis, using Python's *pandas* library
- Created data visualizations with *matplotlib* and *seaborn*
- Gathered data via APIs and web scraping
- Performed geospatial analysis with *geopandas* and *folium*
- Retrieved and analyzed data using PostgreSQL and *sqlalchemy*
- Project management with GitHub project boards and version tracking

PROJECTS

- **SQL – Lahman Baseball Database**. Exploratory data analysis of an open-source collection of baseball statistics. ***Techniques used:*** queries, joining tables, common table expressions, and window functions.
- **SQL – Indeed Database**. Performed database queries using the above techniques to explore the state of analytics positions in the U.S. and to interpret the validity of ratings by number and quality of reviews.
- **Python – Metro Nashville Police Department Call Database**. Categorized 2019 call data.
- **R – Boston MLS Database**. Creation of mapping for optimal places to live in Boston, MA based on crime statistics.
- **R – Pharmaceutical Data Sets.** Created false positive / false negative studies.
- **Excel Pivot Table – Nashville City Cemetery Project Data**. Created a cemetery brochure with a causes of death overview of causes of death overview presented through graphs, charts and images.
- **Excel Lookup and Statistical Functions – 2016-2019 Music City Marathon Data**. Presentation of demographics and time categorizations.
- **Excel Offset and Sliders – 2016 Income Tax Return Data**. Developed an interactive dashboard to guide decision in providing tax filing assistance for elderly and low-income populations.
- **Excel – Optimization Studies**. Created football league scheduling based on television dates, rivalries, number of times facing other conferences and teams. Also optimized operating room spaces based on available personnel and resources.
- **Excel – TVA Transmission Risk Assessment.** Developed risk assessment based on 49CFR192 federal codes.
- **Tableau – NCAA Basketball Dataset (2013-19)**. Created "How to Win an NCAA Bracket" dashboard.
- **Power BI – Central Park Squirrel Survey**. Created dashboard showing locations and characteristics of survey.

PROFESSIONAL EXPERIENCE

LDC CONSULTING 2015-Present
Gas Design & Compliance Engineer

- Mechanical design of meter and regulator tap station for City of Mt. Pleasant, involving design of station plans with Spectra/East TN Transmission, and providing written specifications
- Created manuals for Operation & Maintenance, Distribution Integrity Management, Integrity Management, Emergency Procedures and Anti-Drug & Alcohol Programs for several utilities and natural-gas related entities
- Oversight of Tennessee Valley Authority intrastate pipeline in Tennessee
- Performance of several program pre- and post-inspection audits

TENNESSEE REGULATORY AUTHORITY 2007-2015
Gas Pipeline Safety Engineer

- Conducted operations & facilities inspection of natural gas distribution and intrastate transmission pipeline utilities for compliance with Code of Federal Regulations Parts 191, 192, 199 & 40
- Trained by PHMSA in excess of 550 hours in the areas of overpressure protection, corrosion, odorization, weld inspection, polyethylene pipe fusion, construction practices, root cause, incident investigation, integrity management and public awareness for both distribution and transmission pipelines
- Participated in operator waiver requests from federal regulations and served as technical advisor to board of regulatory commissioners
- Involved in end of year reporting to Office of Pipeline Safety, developed agency website, aided in development of division database, conducted regulator & relief sufficiency computations and excess flow valve sizing calculations