

WILL MCWILLIAMS

DATA ANALYST

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TECHNOLOGIES AND SKILLS

- SQL
- Excel
- Tableau
- Python
- Power BI
- Data Storytelling

PROJECTS

Final Capstone Project:

Analyzed historical weather and carbon emission data. Found that when carbon emissions rapidly increased, Earth's climate began to change at a faster rate. Utilized Pandas Data frame methods and user-defined functions to manipulate and filter the data into smaller data frames where timelines could be established through visualizations.

Python, data cleaning, Tableau, data storytelling

Github.com/WMcWilliams15/NSS-Capstone

Low Income and Elderly Tax Returns:

Analyzed 2016 IRS individual tax returns. Found that elderly returns under \$1.00 were seniors who relied heavily on S.S. benefits. Built interactive dashboard utilizing built-in functions and pivot table to support team recommendation to aid ten states with the highest number of low income elderly returns.

MS Excel, data cleaning, Excel visualizations, data storytelling

EDUCATION

DATA ANALYTICS BOOTCAMP

Nashville Software School, 2020-present

ASSOCIATES, ARTS

Jefferson State Community College

PROFILE

I have spent most of my professional career working in the construction industry building things from scratch and learning from the daily problem solving that comes with this type of work. I love the mental challenges but the physical challenges inspired me to explore a different direction. I am excited to use my Data Analytics skills from NSS and apply them to my years of creating, solving problems and working with people as a Data Analyst.

DATA ANALYTICS EDUCATION

DATA ANALYST

NASHVILLE SOFTWARE SCHOOL | JANUARY 2020 - PRESENT

6-month intensive introduction to data analytics. Project based curriculum that emphasizes techniques like data cleaning, data visualization and storytelling.

SQL: Wrote queries to filter, aggregate, sort, group and join data from relational databases and performed calculations to provide insight for business intelligence

Excel: Analyze large data sets using built-in functions, logical conditions, lookup formulas, and pivot tables to create interactive dashboards for data storytelling using charts, spark lines and conditional formatting

Tableau and Power BI: Analyzed data through visualizations and interactive dashboards

Python: Used functions, methods, for loops, and if/else statements inside pandas data frames to manipulate data to visualize in matplotlib packages.

WORK EXPERIENCE

FINISH AND FRAMING CARPENTER

BO HEALY BUILDERS | JULY 2018 - PRESENT

- Work closely with homeowners to communicate all design changes and potential impacts on defined deliverables while ensuring overall customer satisfaction
- Effectively work with other trade professionals to manage time and overall workspace
- Consistently and creatively identify quick solutions for hard to resolve issues with vintage homes
- Comfortably work on multiple projects at various stages of the build process with a focus on delivering on time and within appropriate budgets set by project manager

CARPENTER

BEARDED CUSTOM CABINETS | NOVEMBER 2017 - JULY 2018

- Lead Carpenter on all production and installation of cabinets
- Consistently delivered and installed projects within tight deadlines and effectively managing time allocation for team
- Improved cabinet assembly process by reorganizing building stations which saved both time and money on ongoing projects
- Collaborated across multiple trades to create a streamlined working environment
- Built out dimensions lists to be used to help determine accurate spacing and sizing for inventory needed

ASSISTANT MANAGER

ALABAMA NATIONAL CEMETERY | AUGUST 2010 - JULY 2015

- Day to day management of a team of 4 to ensure cemetery maintained a beautiful and calming aesthetic
- Worked closely with families to create a positive environment and experience in highly stressful times