

DAVID JACKSON

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Data Analyst with experience managing large, complex datasets. Creates hypothesis-driven solutions that challenge assumptions. Trusted team leader who adapts rapidly to change and goes above-and-beyond to deliver against tight deadlines and budgets. Effective communicator in both English and Spanish with proven success in teaching.

TECHNICAL SKILLS

Databases: SQL, NoSQL, MySQL MongoDB, PostgreSQL, SQLAlchemy, ETL Process,

Programming: Python (Pandas, NumPy, Matplotlib, API Interactions), JavaScript (D3.js, Leaflet.js), HTML/CSS, Flask, Bootstrap, R, Machine Learning, Git/Github

Software: SAS, Advanced Excel (Pivot Tables, VBA Scripting, Formulas), Tableau, Hadoop

Data Projects

Machine Learning – https://ctrlaltafk.github.io/Neural_NC_School_Achievement/index

Programmed a Neural Network using Python and ScikitLearn to predict how well the schools in North Carolina would perform on their End of Grade tests based on factors provided by the Department of Education.

- Used Python and ScikitLearn to program the Machine Learning and D3 and Tableau for the visualizations.

Web Scraping – https://github.com/CTRLALTAfk/Mars_Webscrape_MongoDb

Created an app that gathers information about the planet Mars from multiple websites, stores it in a database when you click and shows it on an HTML page.

- Used Python (splinter, beautiful soup, and pandas libraries) to web-scrape twitter, NASA and other websites.
- Connected the scrape to Mongo DB non-relational database with a flask app and created an HTML site.

Database, ETL and SCRUB – https://github.com/CTRLALTAfk/Financial_wellness

Created interactive graphs with data from the Consumer Financial Protection Bureau that shows the financial well-being of people in multiple categories such as ethnicity, generation and income.

- Used Python (Pandas, PyMongo) to scrub data
- Created an app to clean up CSVs, sent them to flask and then MongoDB NoSQL database then created a site with interactive graphs using JavaScript and D3.

WORK EXPERIENCE

Moore Quality Rentals/ Quality Built Advantage *Assistant Property Manager* (Aberdeen, NC) 07/2014 to 12/2019

- Built houses for the Wounded Warrior Project. • Oversaw the leasing out of the entirety of the company's rental units.

VTT Management Company *Leasing Consultant* (Raleigh, NC) 01/2013 to 05/2015

- Leased 20 apartments in a single month.

MadRide Tour Guide (Madrid, SPAIN) 10/2011 to 07/2012

- Initiated partnerships with local businesses that have lasted to this day.

Boston Public Schools *Music Teacher* (Curley k-8 School - Jamaica Plain, MA) 08/2009 to 07/2011

- Fund-raised over \$20,000 for a community service trip to the island of St. Croix (USVI).

EDUCATION & CERTIFICATION

CERTIFICATE, DATA ANALYTICS - *University of North Carolina* - Chapel Hill, NC

February 2020

250+ hour, 6 month long intensive bootcamp where we learned Version Control (Git/GitBash), Excel, VBA, Python, MySQL, HTML, CSS, JavaScript, MongoDB, Tableau, Machine Learning, Bootstrap 4, D3, Plotly, PANDAS, Web Scraping, Geo mapping, APIs.

BACHELOR OF MUSIC EDUCATION - *Berklee College of Music* - Boston, MA

May 2009