THOMAS HUDSON
Data Analyst

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About

I have spent my entire career, and my graduate studies, with the intent of converting art into science. At various times, I have flow-charted processes, established performance metrics, iteratively designed educational programs for management training, and made data-driven decisions that have shaped the human resources of divisions of a Corporate 50 company. I have utilized, in these endeavors, much of the Microsoft Office Suite, including Access, Excel, PowerPoint, Project and Word as well as SAP's Crystal Reports. I am experienced in multi-site, multi-state, and remote operations.

Skills

- Python
- Numpy
- Pandas
- SQL
- Tableau
- Power BI
- Excel
- Access
- Crystal Reports

Technical Education

Nashville Software School
Full-time immersive Python / SQL / Tableau / PowerBI / Excel

Anticipated Grad. Jan. 2022

Data Analyst Bootcamp is full-time, project based, immersively-focused on hands-on, fast-moving and rigorous study of data analytics and business intelligence processes and tools, including Excel, SQL, Python, Tableau, and Power BI. Using real data presented by Nashville employers, when possible, learning includes communicating findings through presentations, storytelling, and creating reports & dashboards. Onboarding process, instruction, and team work done remotely using Zoom.
Highlights Include:
- Gained experience writing advanced **SQL** queries using subqueries, CTEs, and window functions.
- Gained experience with **Extract, Transform, Load (ETL)** workflows
- Used data visualization tools **Tableau**, **Power BI**, **Matplotib**, and **Seaborn**
- Created **Jupyter Notebooks** to analyze and document workflows using **Python**
- Used open sourced data for individual and group projects
- Used data storytelling techniques to present data insights

Projects

Data Analyst Jobs | Individual Project | <u>View Code</u>

Loaded Indeed Jobs dataset from kaggle.com usng PgAdmin. Analyzed data using Postgres SQL queries and communicated findings through presentation, and data storytelling.
- **Tools & Skills: Postgres SQL, PgAdmin, Data Storytelling**

App Trader | Team Project | <u>View Code</u>

Determined the most profitable mobile applications for fictional app brokerage firm. Recommended a top 10 list of mobile apps which should be purchased based off profitability. Communicated findings through PowerPoint presentation.
- **Tools & Skills: Postgres SQL, PgAdmin, Data Storytelling**

GDP and Internet Usage | Individual Project | <u>View Code</u>

Loaded .csv into dataframe for analysis. Cleaned and analyzed data using Python to answer questions regarding dataset. Created data visualizations using Python modules within Jupyter Notebooks.
- **Tools & Skills: Python, Jupyter Notebooks, VSCode**

Lahman Baseball | Team Project | <u>View Code</u>

Used a dataset of 27 tables created by Sean Lahman and Postgres SQL to analyze baseball statistics, which required the use of joins, case statements, window functions, and common table expressions.
- **Tools & Skills: Postgres SQL, PgAdmin, Data Storytelling**

Professional Experience

Manager of Operations
Law Office of Jennifer McCoy, PLLC, Nashville, TN

2018

Performed various functions within the law firm, both tactical and strategic:
- Automated several daily activities within Simplicity Collect software
- Led effort to identify outside resources to create a secure web-portal and applications to improve productivity/ decrease time costs

Deputy Clerk
Circuit Court Clerk of Davidson County, Nashville, TN

2005 - 2018

Performed various functions within General Sessions Court
- Created comprehensive job-function procedures
- Served as Liaison between Judiciary & staff of General Sessions, the Legal community, and the public
- Managed the hearing and trial processes within courtrooms

Chief Operating Officer

2003 - 2005

Health Research Corporation, Franklin, TN

Recruited to perform startup activities for this healthcare informatics company
- Oversaw daily operations
- Oversaw contracts for service
- Led strategic planning, regulatory compliance, and web development activities

Other, Prior Employers
- CIGNA HealthCare, Nashville, TN
- Humana Incorporated, Louisville, KY, Green Bay, WI and Madison, WI
- Commonwealth of Kentucky, Frankfort, KY

Education

Data Analyst
Nashville Software School

M.Ed. Human Resources & Organizational Development
Vanderbilt University

B.S Human Resources Management
Western Kentucky University