Education

Bachelor of Business Analytics   **Grad Date: July 2020**
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Master of Applied Business Analytics   **Grad Date: August 2023**
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Projects

- (Python) Consulted as the head of engineering for a sales coaching company (developed their website platform, database and developed data pipelines to handle ETL).
- (Python) Developed integration of Plaid balance API to allow me to generate daily balances for users of a personal website I created.
- (Python) Developed a website called Campsql.com (a SQL practice platform). This required that I create a server on Azure and develop a database with data I loaded from python scripts.

Skills & Certifications

- Intermediate Python (Experience with: matplotlib, pandas, numpy, requests)

- Machine Learning w/ Python (Random Forest, Decision Trees, Gradient Boosted Trees)

- Intermediate Full Stack Developer Skills (Django, Python, HTML-5, Bootstrap, Tailwindcss)

- Advanced SQL (Experience with: Creating Databases, Sub Queries, Joining Data from

  Multiple Sources, CTEs)

- Advanced experience with visualization platforms (Power BI, Tableau, Looker, Hex)

Work Experience

Senior Data Analyst   **Feb 2021 – Current**
▩▩▩▩▩▩▩   *Remote*

- Architected a new collections data mart for the company developing both the concepts behind the data marts tables and the queries to structure them from source system. This data mart was able to generate useful reports such as the aging of receivables.

- Created a statistical model to forecast our collections rates for a given month based on several internal variables and external variables such as the Consumer Price Index and Unemployment rates which I consumed via API through python.
- Developed data pipelines that pushed alerts generated through python scripts into Amazon S3 to load data into Salesforce for case creation to make actioning our data insights easier for the organization.
- Led the data initiatives to drive down Trespassers in our properties by utilizing smart home devices to determine if vacant homes were showing activity that likely indicated a Trespasser was in the property

Data Analyst II   **Jan 2021 – Feb 2022**

████ *Bentonville, AR*

- Drove down the cost of our main competitive intelligence contract (which I managed) by over 10% in a single fiscal year by optimizing our contract and increasingly leveraging technology over manual data collection
- Created dashboards for our company to utilize competitive intelligence data (utilizing tableau, looker, R, SQL etc.)
- Created complex SQL queries (including by adhoc request) to automate data for our dashboards and for our business users. (Joining multiple tables, subqueries etc.)
- Created key processes for evaluating data accuracy and integrity coming from internal data collection and from our vendors.

Insight Analyst   **Jun 2020 – Jan 2021**

████ *Bentonville, AR*

- Automated reporting and data gathering processes by helping implement Power BI dataflows and leveraging scheduled & incremental refreshes.
- Helped migrate entire report portfolio from Microsoft Excel to Microsoft Power BI to allow our team to leverage the technologies available through Power BI.
- Wrote scripts in R to connect to the company OLAP cube to allow us to pull and clean large amounts of data instead of manually exporting data through Excel.
- Helped pave the way for the company to leverage new technologies and programs to allow for automated reporting which allowed us to keep our data updated more often.