

Naoufal Rhioui

Software Engineer | Data Consultant | Background in Finance

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TECHNICAL SKILLS

Data Science: Python, SQL, PostgreSQL, Machine learning, NLP, Matplotlib, Tableau, Scikit-Learn, Seaborn, Statsmodels, Pandas, Numpy

Front-End / Back-End : HTML, CSS, Javascript, React, Web API / Python, Flask

Environments: Anaconda, Visual Studio, Jupyter, Github, GIT

Other: Project Management, Microsoft Office (Word/Excel/PP)

Current Learnings: PowerApps, Power BI, AWS

SOFTWARE DEVELOPMENT & DATA SCIENCE PROJECTS:

Coding Temple (Software Development): 04/2021 - 07/2021

- Developed a program that calculates the ROI for rental property using Jupyter Notebook and OOP.
- Created a weather application that displays High, Low and Forecast using the open weather API and Javascript.
- Designed an ERD in lucidchart to create a car dealership database using SQL inside of PGAdmin 4.
- Created websites using HTML, CSS and Javascript with a responsive design using Bootstrap and CSS Grid.

General Assembly (Data Science): 09/2019 - 02/2020

- Scraped data from reddit's websites to create a model that determines the post's origin with 97% accuracy.
 - Projected home prices in Ames, Iowa using feature engineering techniques, linear and regularized REG models.
 - Led a team of 3 to produce a model with an AUC of 0.997 using logistic REG and win the kaggle challenge.
 - Engineered additional features using Python to boost the model's predictive power of FEMA payout predictions.
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EXPERIENCE

Wayfair / Sr. Financial Analyst & Project Manager (Boston, MA) 08/2021 - 01/2023

- Developed dashboards using GBQ and Data Studio to monitor, analyze and manage the company's account receivable for US and CA. Monitored sales and cash flow across all payment methods and payment providers.
- Recovered \$6.5M in outstanding balance (~200% increase in 2022 compared to 2020 & 2021) by redesigning the company's credit card collection strategy for B2B and B2C.
- Evaluated the management's requests and data requirements to build and maintain custom data solutions.
- Provided projects updates, technical advisory, customized SQL scripts and ad hoc data analysis to finance, accounting and customer service teams at all levels.
- Led and trained 2 teams of 14 agents to perform clients outreach, data collection and data cleanup.

AVANTI Motors / Data & Business Consultant (Everett, MA) 03/2020 - 08/2021

- Deployed reporting solutions enabling the stakeholders to manage and augment sales by 30% on Q1 2021.
- Developed dashboards in Excel that maximize use of stakeholders time by providing high value information.
- Reviewed and re-written internal procedures and policies to eliminate duplication and increase efficiency.
- Performed experimental design approaches to validate findings or test hypotheses.

State Street Corporation / Business Risk Manager & Project Analyst (Boston, MA) 11/2013 - 09/2019

- Built and conducted operational assurance self-testings across 6 regions globally while assisting management with ad-hoc projects for private equity, real assets and hedge funds.
- Implemented processes to QA the integrity of the data by developing processes in Excel to extract, analyze systems requirements and validate datasets.
- Designed workbooks to automate periodic reports that saved 40 hours/week.
- Authored procedures and conducted remote training for 60+ employees in China, India, Poland and Ireland.

EDUCATION

Fitchburg State University	Present
• M.S. Candidate in Computer Science, concentration in Data Science	
Coding Temple (<i>Software Engineering Immersive</i>)	07/2021
General Assembly (<i>Data Science Immersive</i>)	02/2020
Northeastern University	06/2016
• B.S. in Finance and Accounting Management	