






TIFFANY LIN

Data Scientist,
Analytics

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EDUCATION




M.S.
Data Science
New York University

-  May 2023
-  New York, NY
-  3.67

Relevant courses

- Machine Learning, Probability and Statistics, Big Data, Optimization and Computational Linear Algebra

B.S.
Computer Science
University of Central Florida

-  December 2020
-  Orlando, FL
-  3.72

SKILLS AND TOOLS

- Python
- SQL
- Pandas
- NumPy
- Sklearn
- C++
- Hadoop
- Spark
- Excel
- JavaScript
- CSS
- ReactJS

WORK EXPERIENCE

Data Analytics Intern

Spectrum Enterprise

-  June 2022 – August 2022
-  New York, NY

- Analyzed unstructured data, performed segmentation to improve campaign efficiency & present robust business insights to leadership
- Reduced the process time complexity for reporting by 90% by building a customized dashboard automated with Alteryx and SQL to clean and expedite data migration from various data sources: Salesforce and Eloqua
- Developed custom Datorama widgets for data visualization of KPIs to promote and track overall goal of increasing marketing attributed revenue by 11%
- Executed quality assurance of Datorama dashboards and diagnosed any data mismatch by inspecting data streams and raw data with Alteryx and advanced MS-Excel
- Performed statistical and exploratory analysis on marketing spend to support justification of Q3 budget increase

Data Research Assistant at NYU Law (Part-time)


New York University

-  May 2022 – August 2022
-  New York, NY

- Transformed over 11 versions of raw coding interactions with a total of 411 companies and 336 policy instances into digestible and meaningful CSVs to help answer key research questions on company policies using PostgreSQL, Python, and Pandas
- Extracted and cleaned for valid coder behavior, relationship between text and policies, and metrics from SQL dumps and JSON objects with inconsistencies to further and monitor the effectiveness of the research

CWEP at Lockheed Martin (Contract)

University of Central Florida

-  January 2019 – March 2020
-  Orlando, FL

- Assisted with design, development, documentation, testing, and debugging of real-time embedded software for the Advanced Vehicle Defense System program (AVDS)
- Analyzed the system's performance through instrumentation tools and MATLAB scripting
 - Examined for any erratic CPU and memory usage of the embedded software after a regression test through plotting data points on MATLAB
- Troubleshooted technical issues via Linux commands and hardware for embedded systems such as routers and switches

Web Design Intern

VGlobalTech


-  October 2018 – January 2019
-  Orlando, FL

- Maintained and updated on average 5 ADA compliant websites for communities daily
- Collaborated with a team to design websites for businesses via Word Press
- Edited code databases to alter the layout of websites in order to fit the client's needs

PROJECTS

Discord Bot: Wikipedia Game

Developer

-  August 2020

- Recreated and hosted the Wikipedia Game using an open-sourced REST API, a Discord JavaScript library for developing bots, and Heroku
- Customized the bot to be able to account for user errors, track the player's score and time, and assign the winner with the champion role

ELLE Web Portal

Frontend Developer

-  April 2020

- Transformed the website of a language learning tool to be compatible with 3 different types of platforms using ReactJS and React libraries
- Adapted the website for all user types to create, modify, and reuse language modules for their platforms and analyze user performance
 - Generated bar graphs and pie charts to offer the users a visual depiction of how well they were learning new terms on each platform

Multiple File Transfer UI (Lockheed Martin)

Developer

-  August 2019

- Developed a user interface with Qt framework to transfer FPGA images for an embedded system (did not support existing software)
- Produced a reliant file transfer protocol by using checksums and headers