



STEPHEN ALAM

stephenalam01@gmail.com | 443-851-3079 | Ellicott City, MD 21042

Summary

As a recent graduate from St. Mary's College of Maryland with a bachelor's degree in economics and experience in data science, I have a deep appreciation of the blend of analytical, technical and communication skills that are needed to generate the best business solutions. I am comfortable using Python and SQL to assess and manipulate datasets, and my background in Economics gives me the knowledge to draw value-based conclusions from my analysis. Outside of my internship, personal projects and school, I am the Captain of the St. Mary's Tennis Team, where I have been responsible for inspiring and advising 22 men and women for half of my college career. I am pursuing a career where I can utilize both my investigative and collaborative skillsets.

Skills

- Team Leadership and Management
- Python and SQL proficiency
- Database manipulation on Tableau
- Exposure to Machine Learning using pre-trained models
- Experience in Full Stack web development
- Microsoft Excel proficiency
- Business and Market Knowledge
- AWS Amplify
- Networking and Interpersonal skills
- Ability to evaluate and critically analyze economic policies and their implications for underdeveloped countries
- Knowledge of the functions of trade in International Markets

Experience

Ellicott City, MD
Tennis Coach
05/2018 - Current

- Assess tennis skills of each individual client, and create/implement personalized growth plan for development of game skills
- Network with local parents to uphold a steady flow of around 30 clients, and coach at least 20 hours of lessons per week with individuals and small groups of children between the ages of five and fourteen
- Communicate progress of skill development with parents

Karsun Solutions | Herndon, VA
Intern
06/2022 - 08/2022

- Obtained Full stack web development experience using AWS Amplify and Figma
- Created a small web app that authenticates users and stores various input data
- Used React to build the apps user interface
- Built an image classification program that recognizes objects
- Skills learned in the image classification project include exposure to the process and use of Convolutional Neural networks, loading in and displaying images, image pre-processing and the implementation of image classification models
- Python libraries used include: Keras, Matplotlib, tensorflow, cv2, OpenCV

Education

St. Mary | MD

05/2023

St. Mary's College of Maryland
Bachelor's

Relevant Coursework and Projects

CodeAcademy Learn Python 3(Class), CodeAcademy

- Learned fundamentals of python syntax along with how to sort data into lists and dictionaries, and used loops to manipulate data sets
- Used functions to create formulas, calculations, and run linear regressions
- Implemented various libraries to create data visualizations and calculate statistics

Learn SQL(Class), CodeAcademy

- Learned how to use SQL to access, create, and manipulate data
- Utilized aggregate functions to perform calculations of data sets
- Identified similarities between tables in relational databases, and queried databases from multiple tables (joining tables)

Analyze Business Data with SQL(Class), CodeAcademy

- Built usage funnels to calculate various user conversion rates
- Calculated churn rates in projects for users on a specific plan for each project within the course
- Used window functions to perform calculations across sets of table rows that were somehow related to the current row

Econometrics(Class), St. Marys College of Maryland

- Demonstrated an understanding of statistical analyses used in the fields of economics and business
- Showed proficiency in the use of Microsoft Excel to analyze data sets and implemented python knowledge to complete course projects
- Displayed understanding of mathematical theories and concepts behind complex statistical analyses used in modern economics and business

Analyzing Yahoo Finance Stock Data(Project)

- Used Python libraries such as pandas and yfinance to collect and manage large datasets
- Cleaned data by removing missing or invalid data and converting data type to be consistent with the rest of the data
- Performed exploratory data analysis on stock data to identify price behavior patterns and trends
- Developed data visualizations utilizing Python libraries such as Matplotlib to effectively illustrate insights from data in order to identify potential buying and selling opportunities
- Created technical indicators such as Bollinger Bands and Ichimoku Clouds using the Pandas library
- Utilized time series analysis to identify seasonality, trends, and cycles in stock data.