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Sirron Melville

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Data science driven systems analyst with a business foundation.

EDUCATION

FLORIDA INSTITUTE OF TECHNOLOGY

Bachelor of Science(B.Sc.)

Major: Information Systems & Business

Minor: Business Administration

Udacity Data Analyst Nanodegree (In progress)

Melbourne, FL

Fall 2016

PROJECTS

Campus Bikes - Used the SDLC (Systems Development Life Cycle) to develop the appropriate system to streamline the business processes of a bike shop. Incorporated both agile and object-oriented analysis and design approaches to optimize the project. Utilized CASE tools to design and implement applications. Determined the TCO and ROI over the useful life of the system, did a cost-benefit analysis for the client to decide whether to Develop In-house or purchase a software package.

Melbourne, FL

Fall 2016

Analyze Bay Area Bike Share Data – Utilized parts of the data analysis process, performed data wrangling and an exploratory data analysis on the data and communicated the findings in the data using visualizations. (Python, NumPy, Pandas, Matplotlib)

Test a Perceptual Phenomenon - Computed descriptive statistics and performed a statistical test on a data set that was based on a psychological phenomenon, the Stroop Effect. The Matplotlib library was used to create visualizations. (Python, NumPy, Pandas, Matplotlib, statistical test)

Investigate a Dataset - Used a Titanic dataset curated by Udacity and analyzed it to examine the relationships and factors that made an individual more likely to survive. The Seaborn library was used to create visualizations which enhanced the communication of the findings. (Python, Numpy, Pandas, Matplotlib, Seaborn)

Wrangle OpenStreetMap Data – Chose a region of Boston, Massachusetts in OpenStreetMap data, thoroughly audited and cleaned the dataset, converted it from XML to CSV format and then imported the cleaned .csv files into an SQL database using a schema. (Python, SQL)

SKILLS AND COURSEWORK

Programming Languages: Python, SQL, C++, R, JavaScript, Html, CSS, D3, MEAN Stack, Bash.

Software: OSX, Linux (Ubuntu), Microsoft Office Suite 2016, Microsoft Project 2016, iWork 2016.

Tools: Git, Jupyter Notebook, Latex, NumPy, Pandas, scikit-learn, Matplotlib, Seaborn, SAP ERP Software.

Coursework: Applied Discrete Mathematics, Computer Applications, Intro to Data Analysis, Intro to Machine Learning, Management Information Systems, Multivariable Calculus, Networks and Operating Systems, Network Theory & Design, Statistics, Systems Analysis & Design.

Certificates: First-Aid Certification

EXPERIENCE

Smooth Running

Event Coordinator

- Currently overseeing groups of 4-5 members while setting up 26.1 mile marathons, cycling and surf events with up to 2500 participants.

Melbourne, FL

Spring 2015 - Present

HONORS AND ACCOMPLISHMENTS

- Dean's List College of Science

- International School of Port-of-Spain Model United Nations Club 2008

- Trinidad and Tobago National Golf Team 2003-2009(Captain)

- Trinidad and Tobago Stephen Ames Cup Squad 2005-2009(Captain)

AFFILIATIONS

- TTGA (Trinidad and Tobago Golf Association)

- Queen's Royal College Scouts

- The Scouting Association of Trinidad and Tobago

- NSBE (National Society for Black Engineers)

- Florida Institute of Technology CSA(Caribbean Students' Association)