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Melbourne FL

# Sirron Melville

[LinkedIn](#)

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Data science driven systems analyst with a business background. Experience streamlining business processes, uncovering patterns and trends through data analysis and communicating insights to aid in decision making.

## EDUCATION

UDACITY Data Analyst Nanodegree

Sept. 2017

FLORIDA INSTITUTE OF TECHNOLOGY - B.Sc. Information Systems & Business

Melbourne, FL | Fall 2016

Concentration: Systems Analysis & Design, MIS Minor: Business Administration

## SKILLS AND COURSEWORK

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

**Software:** OSX, Linux (Ubuntu), Microsoft Access 2016, Microsoft Project 2016, iWork 2016.

**Tools:** Git/GitHub, 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.

## PROJECTS

### Enron Fraud Detection

Sept. 2017

- Built an algorithm to identify fraudulent employees based on the Enron Corpus.
- Tested and tuned three algorithms (Gaussian NB, k-NN and Random Forest), selected the Gaussian NB classifier which was more successful in determining Persons of Interest. (scikit-learn)

### Analysis of the Financial Contributions to the 2016 Presidential Campaigns in Massachusetts

Aug. 2017

- Conducted an EDA on a dataset provided by the FEC for Financial Contributions to the Presidential Campaigns in MA.
- Explored the variables, structure, patterns, oddities, and underlying relationships of the dataset and communicated some interesting findings. (R)

### Wrangle OpenStreetMap Data

Aug. 2017

- Chose the region of Boston, MA in OpenStreetMap data, thoroughly audited and cleaned the dataset, converted it from XML to CSV format, then imported the cleaned .csv files into an SQL database using a schema.
- Queried the database to explore and answer questions about the city of Boston, MA. (Python, SQL)

### Campus Bikes

Fall 2016

- Used the SDLC 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.

## WORK EXPERIENCE

### Smooth Running - Event Coordinator

Melbourne, FL | Spring 2015 - Present

- Currently overseeing groups of 4-5 members while setting up 26.1 mile marathons, cycling and surf events with up to 2500 participants.
- Developed more efficient ways to stock hydration stops and reduced inventory costs by 30%.

## HONORS AND ACCOMPLISHMENTS

- Dean's List College of Science
- Trinidad and Tobago National Golf Team 2003-2009(Captain)
- International School of Port-of-Spain Model United Nations Club 2008
- Trinidad and Tobago Stephen Ames Cup Squad 2005-2009(Captain)

## AFFILIATIONS

- TTGA (Trinidad and Tobago Golf Association)
- NSBE (National Society for Black Engineers)
- Queen's Royal College Scouts
- Florida Institute of Technology CSA(Caribbean Students' Association)
- The Scouting Association of Trinidad and Tobago