# FUNKE OLALEYE

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## SUMMARY

Solution-driven Data Analyst with a Masters of Science in Computer Science and a certificate in Data Science from Rutgers University. Inquisitive, analytical, detail-oriented and cyber security-focused. Ability to decompose complex problem to glean significant business value and insight from a large set of raw, semi-structured to structured data. Enthusiastic and well-organized with a solid background in requirements and process improvement and passionate about data analytics. Enjoys leveraging background and skill set.

## TECHNICAL SKILLS

**Tools:**      Python (Pandas, NumPy, Matplotlib, JSON), R, SQL, Tableau, Big Data (Hadoop, Spark, AWS, NPL), Machine Learning, Advanced Excel, VBA
**Databases:**  SQL, PostgreSQL, NOSQL, MongoDB SQL

## PROJECTS

**Sound Of Your Love** | https://github.com/ofunkey/sound-of-your-love
- Designed a simple service that makes it easy for separated families and friends to connect with one another in final moments of life.
- Record and playback stream all at once.
- Tools: React | MongoDB SQL | API | Heroku

**S&P 500 Stock Prediction** | https://github.com/ofunkey/SP500-stock-prediction
- Implements machine learning model/algorithm to forecast stock returns using Linear Regression, Deep Learning and Clustering model in Time series
- Delivered insights of individual stock performance and performing portfolio index
- Tools: Python | Pandas | Scikit-learn | SQL

**Web Visualization Dashboard** | https://github.com/ofunkey/Web
- A web dashboard that analyses weather changes at different latitudes relative to the equator line
- Created data visualization that shows temperature, humidity, cloudiness and wind speed via an ETL process
- Tools: Pandas | HTML / CSS | Bootstrap | API

**Life-Expectancy Visualization** | https://github.com/ofunkey/project_1_2019
- Changes in life-expectancy in various continents and countries with respect to GDP and population
- Analyzed and visualized the correlation between world GDP and life expectancy over 50 years period.
- Tools: Python | Pandas | Matplotlib

## EDUCATION

**Certificate in Data Science: Rutgers, The State University of New Jersey, New Brunswick, NJ  2019**
A 24-week intensive program focused on gaining technical programming skills in Advanced Excel, VBA, Python, R, JavaScript (D3.js, Leaflet.js), SQL Databases, HTML/CSS, Tableau, Big Data, Machine Learning.

**Master of Science in Computer Science: Kent State University, Kent, OH**

**Bachelors of Science in Electrical/Electronics Engineering: Yaba College of Technology, Yaba, Lagos**

## EXPERIENCE

**Business Analyst**                                                           Sept 2012 – April 2019
**Timbrel**                                                          East Brunswick, NJ / Kitchener, ON
Translated business requirements to technical designs using use cases analysis, user stories, process modeling. Analyzed data using SQL, data mapping for ETL. Reviewed project artifacts, business requirements and solution specifications for completeness, accuracy and business analysis best practices.
*Key Accomplishments:*
- Modified data warehouse to support new internet services
- Implemented a new process to enhance anti-money laundering capabilities for credit card payment
- Designed a web application that detect data quality issues in wealth management transactions data
- Created a new system to ensure regulatory compliance to identify suspicious financial transaction
- Worked on UX design for a mobile application development that improved customer satisfaction and retention


**Requirements Manager/ Business Analyst**                                        July 2008 – Aug 2012
**BlackBerry**                                                                      Waterloo, ON
Elicited and analyzed Infrastructure, Provisioning, functional and security requirements including data analysis. Decomposed business requirements from multiple sources and produced technical requirements using Use Cases, User Stories, MS Visio, Enterprise architect and MS Office Suites in Agile and waterfall development environment.
*Key Accomplishments:*
- Mitigated risk of data loss in infrastructure, provisioning and services significantly by complying with security policies and implementing Identity and Access Management system.
- Recognized for modeling new end to end process that enhanced the efficiency of recycling devices
- Worked on special projects to support 200+ services and datacenters to maximize fault tolerance and reduce service disruptions to clients and subscribers.
- Implemented Authentication Authorization and Accounting (AAA) services that enforces security policies, protect against spoofing and save money for the company
- Developed a new validation system which secure identity and authorize services
- Redesigned requirements management processes to prioritize customer requests and mentored 2 junior business analysts

**Business Analyst**                                                           July 2007 – April 2008
**CIBC Bank**                                                                      Toronto, ON
*Worked as a Liaison with stakeholders and created credit card and payment processes documentation. Gathered and analyzed business requirements and prepared functional system specifications to mitigate fraud losses and increase credit card operational efficiency.*

**Business Analyst**                                                           May 2006 – March 2007
**TD Bank**                                                                      Mississauga, ON
*Elicited and authored detailed requirements document using information gathered from SMEs. Minimized business and operational risks by identifying and eliminating gaps and redundancies in business processes. Re-designed branch service processes to minimize bank losses.*

**Consultant**                                                                March 2006 – May 2006
**McMaster University**                                                             Hamilton, ON
*Developed a web-based record management database from paper-based documentation. Reduced access time to patient data. Coordinated end to end functional testing on different browsers and system environments.*