

# Rihad Variawa

<https://2series.github.io/>  
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## SKILLS

### PROGRAMMING

Python & iPython Notebook  
RStudio  
SQL  
Solidity  
C++  
JavaScript (D3.js), HTML & CSS

### MACHINE LEARNING

Regression  
Support Vector Machines  
Naive Bayes  
K-Nearest Neighbors  
Decision Trees  
K-means Clustering & PCA Analysis  
Natural Language Processing

### SOFTWARE

MySQL  
Spark & Hadoop  
Git & Github  
Microsoft Azure Machine Learning  
Matlab  
Weka  
Tableau  
Excel

## EDUCATION

### DATA SCIENCE BOOTCAMP

FLATIRON SCHOOL  
Aug 2017 | New York, NY, U.S.A

### PGDIP ACC.SCI

UNIVERSITY OF SOUTH AFRICA  
Oct 2014

### HONOURS, B.ACC.SCI

UNIVERSITY OF SOUTH AFRICA  
Oct 2011

### B.ACC.SCI

UNIVERSITY OF SOUTH AFRICA  
Oct 2008

## LINKS

Github:// [2series](https://2series)  
LinkedIn:// [rihadvariawa](https://rihadvariawa)  
Twitter:// [@2series\\_rv](https://@2series_rv)

## PROFESSIONAL EXPERIENCE

### ESOURCE ANALYTICS (STARTUP COMPANY) | DATA SCIENTIST - ADVANCED ANALYTICS

Jan. 2017 - Jun. 2019 | Multinational Corporation

- Collaborated with teams identifying opportunities to build data science products in renewable energy, from conducting fieldwork to market research, engineering design & financial evaluation of potential projects
- Used statistics tools to analyze data, **comparing countries leading in solar and wind production**
- Improved data mining processes, resulting in a 5 percentile decrease in time needed to infer insights from customer data used to develop product strategies
- Researched **patterns in renewable energy generation** to derive insights and explore questions using k-means clustering
- Utilized web scraped techniques and data mining to assimilated product retail data as inputs to **retail revenue prediction models**
- Conducted data regression analyses of the relationship between average global temperature and several factors **affecting climate change**

### REAL ESTATE PORTFOLIO WEALTH ADVISORS | FINANCE MANAGER

Feb. 2017 - May. 2018 | South Africa

- Drove business development by writing grant proposals to international investors and delivering presentations to pitch to potential funders
  - **Financial Commerce Market Analyses**
    - \* Led quantitative analysis to develop value propositions for a multinational seeking to enter markets in several African states
    - \* Built financial models to assess market potential and expected cash flows for real estate, increasing sales by 3 percentile
    - \* Authored market-sizing and forecasting section of a commercial report on characteristics, forecasts, and trends in FCM for several African markets
- Managed the planning and development of design and procedures for metrics reports
- Analyzed market risk factors that could adversely affect the assets and implemented processes to mitigate exposure to risks

### ENERGY | INDEPENDENT ANALYST - ANALYTICS

Dec. 2016 - Jan. 2017 | New York, NY, U.S.A

- Machine learning problem involving feature engineering, visualizations and other techniques to make out certain perceptions from the available data to **predict a building energy score**

### SIZWENTSALUBAGOBODO INC. | TRAINEE ACCOUNTANT

Feb. 2014 - Jan. 2017 | South Africa

- Domain knowledge in financial service audits
- Executed statutory audits for clients in Asset Management, Trusts, Property Management Co, Special Purpose Vehicles and Telecoms
- Performed a risk-based approach to external audits of public and private clients in environments providing exposure to risk and compliance