# Jabulani J. Sifundza

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## Skills

Python | React | JavaScript | Node.js | MongoDb | Firebase | MySQL | HTML5 | CSS3 | Google Cloud | Django | Pandas | TensorFlow | Sci-kit Learn | Matplotlib | UI/UX Design (Adobe XD & Figma) |

## Work History

**Ndali South Africa**

**Co-Founder & Software Engineer**                                              October 2019 – May 2023

- Designed and developed responsive full-stack applications using Node.js, MongoDB, Firebase, and Google Cloud Platform translatable to 15 African languages for companies in Southern Africa, bringing in monthly revenues of up to ZAR 25,000.00.
- Leveraged React, Python, and Django to create full-stack dashboard companion applications allowing customers to visualize app usage metrics and customer data, which increased revenue per client by 12%.
- Developed internal full-stack applications using React, Python, Django, TensorFlow, Pandas, and Numpy to analyze company analytics and improve customer targeting/segmentation, which led to an 8% decrease in customer acquisition cost.
- Completed all aspects of the SDLC, from design in Adobe XD and Figma, to testing in Jest, and implemented CI/CD methods through Firebase Hosting, Google Cloud Platform, and GitHub for over 30 client and internal company applications.
- Designed UI wireframes and prototypes for 80% of applications created by the company using Adobe XD and Figma which I then went on to develop the prototypes into complete applications.

## Projects

**React Gesture Controlled Gallery**                                              **Demo | Github**

- A React gesture-controlled art image gallery viewer. This application is controlled by making certain hand gestures toward the user's webcam to navigate the gallery.

**Machine Learning Robo-Advisor**                                              **Demo | Github**

- A Python Machine Learning application that predicts and uses the predicted risk tolerance coefficient to run simulations on 120,000 potential portfolios to find the best one for the profile's risk appetite.

**Equity Research Helper Application**                                              **Demo | Github**

- This application allows users to perform sentiment analysis on company news, and portfolio optimization using Markowitz's efficient frontier theory and Monte Carlo simulations.

## Education

Lake Forest College – Lake Forest, IL, USA                                              **Completed**

**Bachelor of Arts in Finance**   Minor: Entrepreneurship & Innovation