

Elijah Mbwilo

Computer Scientist

Dar es Salaam,
Tanzania.

Birth Date: 07/01/1999

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SUMMARY

Proficient computer scientist interested in designing and creating system architectures that are maintainable, reliable, robust, and most importantly intelligent. I have the:

- Ability to work well with others in a team or alone.
- Ability to analyze software and hardware to find solutions that meet user requirements.
- Ability to perform review of programs to improve efficiency, correct errors, and verify operational capability.

WORK EXPERIENCE

SmartStock Company Limited, Dar es Salaam — *Software Developer*

Dec, 2019 - Present

- Design and implementation of web and mobile applications.

DHIS Tanzania, Dar es Salaam — *Software Developer*

July, 2018 - September, 2018

- Design and implementation of web APIs for frontend applications.

Smart Codes, Dar es Salaam — *Front-End Developer, Back-End Developer*

July, 2017 - September, 2017

- Realization and creation of static and dynamic interactive web pages.
- Developed back end applications in php and java for web systems and mobile apps.
- Creation of software and tools to simplify the internal workings at smart codes, and for clients.

CORE COMPETENCIES

- Machine Learning
- Deep Learning
- Reinforcement Learning
- Web and UX design
- Back end web development
- Android native app development
- iOS native app development(Swift)
- Hybrid app development
- API Design and Development
- Domain Driven Design and Microservices

PROGRAMMING LANGUAGES

- Java
- Python
- Php
- Javascript
- Typescript
- Html & CSS
- Dart
- C
- C++
- Swift
- MATLAB

EDUCATION

University of Dar es Salaam, Dar es Salaam — *Bachelor of Science in Computer Science*

GPA 4.1

September, 2016 - 2019

Kibaha Secondary School, Pwani— *A Level*

2014 - 2016

Physics, Chemistry and Mathematics.

Thomas More Machrina, Dar es Salaam — *O Level*

2011 - 2014

PROJECTS

Reinforcement Learning for Power Grid Optimization

A project involving the use of reinforcement learning algorithms to create agents capable of acting optimally in a power grid environment.

<https://github.com/Elijah7/RLPO-Python>

SmartStock

Web application that helps businesses manage their stock, sales and accounts.Link: <https://smartstock.co.tz/>

Ubongo Kids App

Mobile App for children to watch and consume content from ubongo kids.

Lung Cancer Detection System

A web application embedded with a deep learning model to detect presence of lung cancer in MRI images. Link:

<https://lcds-940d1.web.app/>.

DATA ANALYTICS ENGINES

- Apache Spark

WEB FRAMEWORKS

- Spring Boot
- Angular
- Laravel
- ExpressJS & Nodejs
- Flask
- ReactJs

MOBILE FRAMEWORKS

- Flutter
- React Native

DATABASE TECHNOLOGIES

- SQL
- MongoDB

HOBBIES

- Brazillian Jiu Jitsu(BJJ)

AWARDS

Appreciation Award for Volunteering Services as Trainer in the Girls in ICT Program hosted by the University of Dar es Salaam, Dlab, and the ICT Commision of Tanzania.

Link:

<https://www.linkedin.com/posts/activity-6714863540806676481-gUBb>

CERTIFICATES

Exploratory Data Analysis with Python and Pandas, an online non-credit course authorized by Coursera Project Network and offered through Coursera. Certificate earned on Nov 17, 2020

Intermediate Machine Learning, an online non-credit course authorized by Kaggle. Certificate earned on June 3, 2020

Introduction to Machine Learning, an online non-credit course authorized by Kaggle. Certificate earned on May 28, 2020

Deep Learning, a 5-course specialization by DeepLearning.AI. Specialization Certificate earned on June 23, 2019

Sequence Models, an online non-credit course authorized by Coursera Project Network and offered through Coursera. Certificate earned on June 23, 2019

Convolutional Neural Networks, an online non-credit course authorized by DeepLearning.AI and offered through Coursera. Certificate earned on May 6, 2019

Structuring Machine Learning Projects, an online non-credit course authorized by Coursera Project Network and offered through Coursera. Certificate earned on Apr 10, 2019

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization, an online non-credit course authorized by Coursera Project Network and offered through Coursera. Certificate earned on Apr 3, 2019

Neural Networks and Deep learning, an online non-credit course authorized by Coursera Project Network and offered through Coursera. Certificate earned on March 20, 2019

REFEREES

1. NAME: DR. PROSPER MAFOLE
PHONE: 0742 694 441
EMAIL: mafole@gmail.com
POSITION: Chief Technical Officer, Airtel Tanzania Ltd
2. NAME: HENRY KALISTI
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POSITION: Lecturer, University of Dar es Salaam
3. NAME: VINCENT MINDE
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