Axel Mukwena

COMPUTER SCIENCE GRADUATE

Professional Summary

A data-driven Computer Science graduate, self-motivated and confidently skilled programmer with a great ambition to help solve problems collectively and sustainably. My core strengths include **Data Analysis and Applications Development**.

Working Experience

Go Developer (Remote, Contract), Ockham Labs Inc, Toronto

Jan 2022 - Present

- Developing low-level frameworks to automate and enable users assess, audit, and evaluate resources and configurations of various cloud assets.
- Maintain RESTful APIs and their integrations with various frontends

Software Developer Intern, University of Macau, Macau

Jun 2020 - Sep 2020

- Collaboratively designed and implemented interfaces for a Residential College Management System **using C# and the .NET framework**
- **Established a 100% uptime server framework** that allows local and private access to the data

Summer Research Assistant, University of Macau, Macau

Jun 2020 - Jul 2020

- **Gather resources for research papers** on the applications of Behavioral Science to Machine Learning.
- **Proofing, editing, and reference matching assurance** on research work.

iOS Developer (Remote), Preter Studio, Australia

Apr 2020 - Jun 2020

- Single-handedly developed a **Bluetooth mobile application in Swift** to remotely control portable speakers and update embedded software.
- Developed a **prototype** to simulate the application **in C++ using a Developmental Board** customized to adapt the portable speaker's internal workings

Education

Bachelor of Science in Computer Science, Computer Science

Aug 2017 - Jun 2021

Contact Details

axel.muk@gmail.com
Whatsapp: +264 81 603 5965

Nationality

Namibian

Links

github.com/axelmukwena
elaka.io/about
linkedin.com/in/axelmukwena

Programming & Scripting

Python, Go, C++, SQL, Java, Ruby, JavaScript, C#

Tools

Tensorflow, CloudQuery, BigQuery, Apache Spark, D3, AWS

Fast API, Ruby on Rails, React, Next.js, Vue, Material Bootstrap

Skills

Organisational
Adaptability
Collaboration

Languages

English (Native)
Oshiwambo (Native)

Projects

Final Year Project: ECG Biometrics using Deep Learning

Aug 2020 — May 2021

- Successfully implemented a **novel Deep Learning model** for human identification based on ECG signals **using Siamese and Convolutional Neural Networks on TensorFlow.**
- Developed a **client web framework in Ruby on Rails** to access the deployed models on **a Flask-based API** and simulate the ECG Biometric workflow.
- **https://github.com/axelmukwena/biometricECG#academic-report**

English - Oshiwambo Translation Community Application

May 2020 - Present

- Developing an Oshindonga Textual Dataset **https://github.com/meyabase/osheng-articles**
- Developed and successfully deployed a **fully functional bilingual language translation community-driven web application using Ruby on Rails** for English - Oshiwambo at **www.elaka.io**. More information at **www.elaka.io/about**
- Managed to source more than **30000 contextually rich translation pairs** from **more than 700 users**. The project now **has 2 additional software contributors**

Open Source and Contributions

Member of Macao Startup Club, Macau

Feb 2019 - Present

- Helped facilitate and guide emerging tech entrepreneurs by **partaking in hackathons, networking seminars and workshops**.
- Intensively **developed and collaborated** on various projects in **hackathons aiming at making Macau a Smart City**.

Product Developing and Consultancy

May 2016 - Present

- On a freelance basis, **developed marketable products** for numerous SME brands
- Developed **websites and e-commerce platforms** for SMEs
- More information is available upon request

Grants and Scholarships

Macao Foundation Scholarship

Aug 2017 - Jun 2021