

# NHLANHLA MASUKU

DEVELOPER / HARDWARE/SOFTWARE ENTHUSIAST

EDENVALE, JOHANNESBURG · 084 490 0875

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## **SUMMARY**

Process and results-oriented, self-driven professional seeking an entry position in software development.

Aspire to work in a company that offers flexibility and opportunity to grow both personally and professionally as well as having a meaningful contribution to society. Previous career as an automotive technician has provided me with a well-rounded analytical background, pragmatic approach to tasks, and problem solving.

Possesses reliability, diligence, strong attention to detail and an eagerness to learn about new technologies.

Highly curious about topics in and outside the tech space. Experience as a church youth leader has also encouraged the desire to have a helpful impact on the lives of others. Able to perform well both as a part of a team and on own initiative.

## **SKILLS**

### **Technical Skills**

- ❖ Python (Most preferred)
- ❖ Java (and C++ (Hobby))
- ❖ Web development (JS, HTML, CSS, React)
- ❖ Database tech (SQL, MongoDB)
- ❖ Machine Learning (Not an expert yet)
- ❖ Electrical and Mechanical systems

### **Soft Skills**

- ❖ Communication
- ❖ Problem Solving
- ❖ Open Mindedness
- ❖ Team Work
- ❖ Conscientiousness

## **PROJECTS**

- ❖ Narrow "AI" program that does Google/Wikipedia searches for you using your voice, speaking the result back to you. Currently learning web and embedded technologies to fully implement it on different platforms. Planning to convert it into a vehicle "AI". Technologies: Python, speech recognition.
- ❖ A quizzical game API using descriptions of an object (e.g. shows, books, even study chapters) as word clouds and you guess what the word cloud is describing. The program pulls data from the Wikipedia API and stores it using MongoDB. Technologies: Python, matplotlib, MongoDB
- ❖ A few Java, Javascript and React applications. A few websites.

## **EDUCATION**

OCT 2020 – JAN 2021

## **SOFTWARE ENGINEERING BOOTCAMP, HYPERIONDEV**

- ❖ Invited to be a guest speaker at the graduation ceremony.
- ❖ Displayed tenacity and grit to complete a grueling boot camp in a short amount of time with an excellent score.
- ❖ Used tools such as Python, Java, SQL Databases, HTML, CSS, and Machine Learning.
- ❖ Course material consisted of: Version control, design patterns, CS fundamentals, relational databases, object-oriented programming, algorithms, data structures, debugging, testing, software processes, system requirements, quality assurance, deployment and maintenance.

**JAN 2010 – NOV 2014**

## **MATRIC, EDENVALE HIGH SCHOOL**

- Representative class leader during senior years.

## **EXPERIENCE**

**JUL 2021 — MAR 2022**

### **TECHNICAL WRITER (Software engineering and Machine learning), RITZA**

- ❖ Wrote articles, blog posts and documentation for various software engineering and machine learning focused clients.
- ❖ Helped secure and maintain good relationships with various clients.
- ❖ Wrote internal articles and documentation.
- ❖ Helped design and create internal and client graphics.

**SEP 2019 — SEP 2020**

### **AUTOMOTIVE TECHNICIAN, JAGUAR LAND ROVER THE GLEN**

- ❖ Developed an Automation script for reporting vehicle issues, improving technician productivity.
- ❖ Built and utilized strong problem-solving skills.
- ❖ Kept updated on vehicle technologies.
- ❖ Diagnosed and repaired electrical and mechanical vehicle faults.
- ❖ Performed tests on various vehicle systems to ensure functionality.
- ❖ Carried out quality assessments of vehicles before and after diagnosis and repair.

**DEC 2019 — FEB 2020**

### **SERVICE ADVISOR, SERVICE ADVISOR**

- ❖ Liaised with technicians and parts department, about ordering of parts and ensuring availability when needed.
- ❖ Assisted in managing and overseeing the dealership's schedule and workflow.
- ❖ Provided and maintained positive customer relations.

## **ACTIVITIES**

Youth Leader at local church with the following hobbies: Arduino project making, Reading, Writing, and Music and Video Production.