

Zwavhudi Mulelu

Electrical and Information Engineering, Final Year

🔼 Jan 24, 1997

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About Me

A results-orientated student looking to pursue a career in software development. I am an independent and selfmotivated individual with programming and communication skills. I have enthusiasm to learn new things and always ready to give my best effort in any work assigned.

Programming Skills

Javascript, HTML, CSS	•	•	•	•	
C/C++	•	•	•	•	
Latex	•	•	•	•	
Python	•	•	•	•	
MATLAB	•	•	•		
SQL	•	•	•		
IOT/Arduino	•	•			

Software Tools -

MS Office	•	•	•	•	•
Figma	•	•	•	•	
Simulink	•	•	•		

Interests

Front-End design. Web development. Dance. Creativity. Photography and Videography. Tech content creation. Always Looking forward to be indulge in technical courses. Eager to learn new things.

Education

BSc(Eng) Electrical and Information In Progress **Engineering**

University of the Witwatersrand

Gondolikhethwa Christian School

Main subjects: Software Development, Data Intensive Computing in Data Science, Data & Information Management, Network Systems.

2015 – 2018 BEngSc(BME) Biomedical Engineering University of the Witwatersrand

> Main subjects: Chemistry, Anatomy, Physiology, Software Development I, Signals and Systems, Microprocessors, Electronics, Biomed-

ical Measurements Instrumentation and Imaging.

2010 – 2014 High school

Main subjects: Maths, Physical Sciences, Life Sciences, English FAL,

Tshivenda HL, Geography.

Work Experience

Dec 2019 -University of the Witwatersrand **Research Assistant** Jan 2020

Researched on multi-channel cognitive radio network with energy harvesting secondary users. We developed a model to obtain the

maximize its throughput using MATLAB.

Mar 2019 -University of the Witwatersrand All Res Tutor

Oct 2019 Tutoring & Mentoring first year students. The courses tutored were

all first year Engineering courses.

Jan 2019 -**FYE Ambassador** University of the Witwatersrand

Feb 2019 Mentoring first year students and helping them navigate through

various aspects in the University environment as well as surviving

in this environment

Projects

2020 Web App: Household Bill Splitter

Description: In a group of 4, we developed a Web application that

enables users to split household bills.

Technologies used: JavaScript, HTML and CSS. Bootsrap. Express framework. The application was hosted on Azure server. Travis CI was used as a build server and GitHub for version control and project

2020 Web App: Google Maps Store Locator

Description: Developed a website that locates Starbucks stores on a

тар.

Technologies used: Figma for Front-end design. JavaScript, HTML and CSS. Google Maps API to obtain a map. GitHub for version con-

trol

2019 2D Game: Space Invaders

Description: In a group of 2, we developed a 2D game with 2 players and an armada of aliens. To win, players had to kill the aliens before

they invaded a player's position.

Technologies used: c++. SFML library for graphics. GitHub for ver-

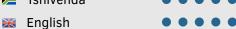
sion control

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Languages





Profiles



http://linkedin.com/in/zwavhu

https://github.com/Zwavhu

https://bit.ly/3gnERv7

https://bit.ly/2Zz6VoP

Awards

2020	2nd Place JCSE Geek-Trivia Quiz cha	llenge	JCSE
2019	3rd Place MIT Global Startup Labs P	rogram	MIT global startup labs
2015	University Entrance Scholarship	Univer	rsity Of the Witwatersrand
2014	Top matriculant	Gondoli	khethwa Christian School

Extra-Curricular Activities

Leadership and

Was part of the Maitazwitoma student society as a Cultural Officer. Responsibilities were planning cultural events for the society mem-

Professional

Development (2018)

Photography

Expressing my creativity through photography

References

Prof. School of Electrical and Information Engineering

Takawira Tel: 011 717 7243.

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Neo Cindi Development and Leadership Unit

Tel: 011 717 9220.

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Ivhani Mentor

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July 3, 2020 Zwavhudi Mulelu