



Zwavhudi Mulelu

Electrical and Information Engineering, Final Year

<https://bit.ly/2NUvQhe>
zwavhudimulelu@gmail.com

About Me

A results-orientated student looking to pursue a career in software development. I am an independent and self-motivated 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

In Progress	BSc(Eng) Electrical and Information Engineering	University of the Witwatersrand
	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, Biomedical Measurements Instrumentation and Imaging.	
2010 – 2014	High school	Gondolikhethwa Christian School
	Main subjects: Maths, Physical Sciences, Life Sciences, English FAL, Tshivenda HL, Geography.	

Work Experience

Dec 2019 – Jan 2020	Research Assistant	University of the Witwatersrand
	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 – Oct 2019	All Res Tutor	University of the Witwatersrand
	Tutoring & Mentoring first year students. The courses tutored were all first year Engineering courses.	
Jan 2019 – Feb 2019	FYE Ambassador	University of the Witwatersrand
	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
	<i>Description: In a group of 4, we developed a Web application that enables users to split household bills.</i>
	<i>Technologies used: JavaScript, HTML and CSS. Bootstrap. Express framework. The application was hosted on Azure server. Travis CI was used as a build server and GitHub for version control and project management</i>
2020	Web App: Google Maps Store Locator
	<i>Description: Developed a website that locates Starbucks stores on a map.</i>
	<i>Technologies used: Figma for Front-end design. JavaScript, HTML and CSS. Google Maps API to obtain a map. GitHub for version control</i>
2019	2D Game: Space Invaders
	<i>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.</i>
	<i>Technologies used: c++. SFML library for graphics. GitHub for version control</i>


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Languages

 Tshivenda ● ● ● ● ●
 English ● ● ● ● ●

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 challenge	JCSE
2019	3rd Place MIT Global Startup Labs Program	MIT global startup labs
2015	University Entrance Scholarship	University Of the Witwatersrand
2014	Top matriculant	Gondolikhethwa Christian School

Extra-Curricular Activities

Leadership and Professional Development (2018)	Was part of the Maitazwitoma student society as a Cultural Officer. Responsibilities were planning cultural events for the society members
Photography	Expressing my creativity through photography

References

Prof. Takawira	School of Electrical and Information Engineering <i>Tel: 011 717 7243.</i> Email: Fambirai.Takawira@wits.ac.za
Neo Cindi	Development and Leadership Unit <i>Tel: 011 717 9220.</i> Email: Neo.Cindi@wits.ac.za
Ivhani Maselesele	Mentor <i>Tel: 079 887 3114.</i> Email: ivhani.maselesele@gmail.com