

Elias Sepuru

Electrical & Information Engineering Honours Student

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Git & LinkedIn



github.com/sephoro



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Languages

English ★★★★★
Sepedi ★★★★★

Programming

C++ ★★★★★
C ★★★★★
JS ★★★★★
HTML ★★★★★
MATLAB ★★★★★
L^AT_EX ★★★★★
Python ★★★★★
SQL ★★★★★
Assembly ★★★★★

Software Tools

Multisim ★★★★★
Proteas ★★★★★
Simulink ★★★★★
Anaconda ★★★★★
Power BI ★★★★★
KNIME ★★★★★
ODI ★★★★★
MS Office ★★★★★

OS Preference

Linux ★★★★★
Windows ★★★★★

Education

2016 - Now **BSc(Eng) Electrical and Information Engineering** University of the Witwatersrand
Main subjects: Software Development, Data Intensive Computing in Data Science, Data & Information Management, Signal Processing, Network Systems, Microprocessors, Electronics.
Current Year: 4th

2011 - 2015 **Matriculation** Tlakale Mashashane Commercial High School
Highest Grade: Grade 12.
Main subjects: Mathematics, Physical Sciences, Accounting, Life Sciences, Sepedi HL, English FAL

Experience

07/19 - Now **Software Development Tutor** University of the Witwatersrand
Tutoring 3rd year Software Development students in Object-Oriented Programming (such as Inheritance, Polymorphism, Abstraction, and Encapsulation) and Version Control using GitHub and Git.

02/18 - Now **All Res Tutor** University of the Witwatersrand
Tutoring & mentoring first year Engineering students on how to navigate and survive in the university field. The courses tutored are all the first year Engineering courses.

06/19 - 06/19 **Intern** Derivco
A week of developing online gambling games using technologies such as Node, Express, Angular and MongoDB. I was part of a group of 4 where we developed an online gambling game using NodeJS for the backend and Angular 7 for the front end. We used Trello for project management and GitHub & Git for version control.

11/18 - 12/18 **Intern** Wits Business Intelligence Services
Development and application of Machine Learning models using techniques such as Clustering, Random Forest, Decision Trees and Naive Bayes to predict and classify data using KNIME, Anaconda & Python.

06/18 - 07/18 **Intern** Wits Business Intelligence Services
Cleansing of Big Data, creation of data marts using ODI and SQL and the creation of a dashboard using Power BI.

Certifications

12/2018 **Data Science Fundamentals** Wits Business Intelligence Services
Business Intelligence Concepts: Data Warehousing, Data Wrangling, Machine Learning (ML), ML Models, Data Mining, Data Analytics, Data Presentation

Achievements

2019	Discovery Gradhack Winner	Discovery
2017	Top 15%	University of the Witwatersrand
2017	Dean's List	University of the Witwatersrand
2016	SAIEE Past President Scholarship	SAIEE
2016	University Entrance Scholarship	University of the Witwatersrand
2015	Top Matriculant	Tlakale Mashashane Commercial High School
2015	Cricket Team Captain	Tlakale Mashashane Commercial High School

Extra Curricular Activities

02/19 - Now	Student Assist	Wits CCDU
	Making students aware of vacation work opportunities and graduates aware of graduate recruitment programmes. Assisting with the organisation of career open days, wellness campaigns and company open days.	
	Cricket Player	
	Member of Equal Education	
	Member of SAIEE	

References

Dr. Stephen Levitt	Software Development Lecture, School of Electrical & Information Engineering
Tell: (011) 717 7209	
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Innocent Mamvura	Data Scientist, Wits Business Intelligence Services
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