

BONGA NJAMELA



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<https://github.com/BongaNjamela001/>

CONTACT

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Cape Town, Western Cape

EDUCATION

B.S.c (Eng)
Electrical & Computer
Engineering

University of Cape Town
2020 - current

Awards

SARAO Undergraduate
Scholarship 2020
UCT Plus Bronze Community
Service & Leadership

B.S.c
Applied Mathematics &
Physics

University of Kwa-Zulu Natal
2017 - 2019

Awards

Physics Third Year Top
Student 2019
Golf Day Bursary 2019

SKILLS

Java
Kotlin
C/C++
Python
SQL
HTML/CSS
MATLAB
Eclipse
Django

CAREER OBJECTIVE

Graduate mathematician and physicist and currently studying towards an Electrical and Computer Engineering degree. Experienced in working part-time while studying. Looking to apply high-order critical-thinking skills to impact society in a positive way through Amazon.

WORK EXPERIENCE

Supervising Assistant/Bookseller
Exclusive Books

2017-2018 / Pietermaritzburg, Kwa-Zulu Natal

- Managed storefront-related activities, including point-of-sale, orders and delivers, to improve the overall customer experience
- Assisted in training and mentoring new employees, using feedback to improve onboarding efficiency by 21%
- Resolved customer complaints with an overall success rate of 90%

PROJECTS

Embedded System LoT Project

Creator

2022-2022

- Designed a Light of Things communication interface between multiple microcontrollers using C/C++
- Specified communication protocol for transmitting an ADC value between two systems using light
- Worked efficiently with team members to debug system and report on system performance

Alphabet Book Android App

Creator

2022-2022

- Built a response android mobile application from scratch using Kotlin in Android Studio
- Tested application using standard benchmarking techniques

Operations Research Transportation Problem

Designer

2019-2022

- Designed a linear programming problem solution to minimise the cost of transportation in a case study
- Designed parallel program in Java to solve transportation problem while using computer hardware efficiently