

# LUYANDA MNCUBE

## Software Engineering Student

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## ABOUT ME

Inquisitive, hard-working and a teacher at heart. I love to learn and always find myself sharing everything I learn about technology with people around me. People come first in my life and I am not afraid of a challenge or shouldering responsibility. Previous to studying at wethinkcode, I worked 40 hours a week as a TEFL English teacher while studying computer science at UNISA. I have a strong foundation in data structures, algorithms, and problem solving.

## EXPERIENCE

### Online English Teacher

#### EF Education First

April 2016 - December 2017 Bryanston, SA

- I worked as an Online English Teacher to teach English as a Foreign language to students across the globe
- We Utilized an online platform to present and prepare lessons to students from the EF Education First offices in Bryanston, South Africa
- Taught both private and group lessons
- Prepared & Evaluated lessons in & TOEIC/TOEFL speaking tests, English Fluency Testing and English Proficiency Testing

### Team Elect

#### Wethinkcode

May 2018 - ongoing Johannesburg, SA

- Oversaw weekly team stand up meetings on campus with a group of 10 students
- Attended fortnightly meetings with Campus manager & House Guardians to address issues regarding student performance and welfare

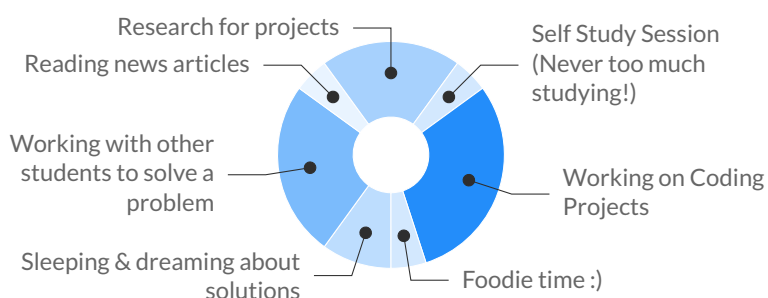
### National Senior Certificate

#### Northcliff High School

Class of 2011 Johannesburg, SA

- Academic Half Colours
- 4 Distinctions
- Representative Council of Learners

## A DAY OF MY LIFE



## LIFE PHILOSOPHY

*"Quality is not an act; it is a habit."*

## MOST PROUD OF



### Courage I had

to change careers follow my childhood dreams of being a software engineer



### Persistence & Loyalty

I showed my schoolwork despite the hard moments and sleepless nights coding projects



### My willingness to try

I'm always willing to try almost anything



### My family & friends

I always put the people in my life first

## SKILLS

Data Structures Algorithms Logic

Creativity Collaboration

C/C++ LaTeX Vim Git PHP

## LANGUAGES

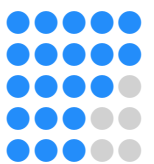
English

isiZulu

C/C++

Javascript

PHP



## EDUCATION

MICT SETA NQF Level 5

Wethinkcode-JHB, SA

May 2018 - Ongoing

Bsc in Math & Computer Science

UNISA, SA

January 2017 - Ongoing

TEFL Level 3

Foundation TEFL, UK

September 2016

## PROJECTS COMPLETED

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### libft

- 🔗 <https://github.com/luyandamncube/libft>
- recreation of the C standard library
- used for all future wethinkcode projects in C

### get\_next\_line

- 🔗 [https://github.com/luyandamncube/get\\_next\\_line](https://github.com/luyandamncube/get_next_line)
- recreation of get\_line function
- read from a specified file descriptor (stdin, stdout or stderr)

### filler

- 🔗 <https://github.com/luyandamncube/filler>
- game AI
- uses heuristic to battle other AI

### push\_swap

- 🔗 [https://github.com/luyandamncube/push\\_swap](https://github.com/luyandamncube/push_swap)
- stack sorting (using two stacks)
- uses predefined instruction set for optimal solve

### Lem-in

- 🔗 <https://github.com/luyandamncube/Lem-in>
- graph traversal
- provide ants in an ant farm the most optimal route

## PRESENTATIONS & ARTICLES

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### *The hitchhiker's guide to C*

- 🔗 [https://github.com/luyandamncube/-42\\_A\\_hitchhikers\\_guide\\_to\\_C](https://github.com/luyandamncube/-42_A_hitchhikers_guide_to_C)

### *Scrum - An introduction to Scrum Agile Methodology*

- 🔗 [https://docs.google.com/presentation/d/1YcuTgwdasABdqbmF\\_Ege13K-YWg3U2OCrb7XeiraNBs/edit?usp=sharing](https://docs.google.com/presentation/d/1YcuTgwdasABdqbmF_Ege13K-YWg3U2OCrb7XeiraNBs/edit?usp=sharing)

## REFEREES

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### Lynn Mtshali

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