

## EDUCATION

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### Nairobi, KEN

### ALX Africa

Nov 2022 – Jan 2024

- ALX Software Engineering with specialization in backend.
- Coursework: Software Foundations; Computer Architecture; Algorithms & Data Structures; Databases; Programming Languages; Docker; Git

### Nairobi, KEN

### Light Academy

Jan 2016 – Nov 2019

- Kenya Certificate Of Secondary Education
- Mean A.

## SOFTWARE PROJECTS

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**Personal Website:** <https://bryokim.github.io>

### Poetry Galore (<https://bryokim.github.io/poetry-galore>)

- Developed web app that allows users to post and read poems.
- Designed RESTful backend server in Flask.
- Incorporated persistent storage using MySQL.
- Utilized: Python, Flask, jQuery, MySQL, Bootstrap, HTML, CSS.

### MongoUI:

- Implemented a user interface for use with MongoDB.
- Creating, updating and deleting databases, collections and documents can be done through the interface.
- Follows MongoDB's role-based access control by providing only actions that a user's role permits.
- Utilized: JavaScript, TypeScript, Nuxt, Vue.js, Docker, Vuetify.

### Pycheckdoc:

- Developed tool for checking Python documentation.
- Inspired by checkers at ALX that require documentation for all Python code.
- Used abstract syntax trees to be able to get the docs for the module, function nodes and class nodes.
- Utilized: Python

## LANGUAGES AND TECHNOLOGIES

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### Languages:

- **Proficient:** JavaScript; Python; SQL; HTML; CSS
- **Familiar:** C; TypeScript

### Technologies:

- Visual Studio; Vi; Emacs; Docker; Git; Nginx; HAProxy



## CERTIFICATE OF COMPLETION

This is awarded to

**Brian Kimathi Ndwiga**

For completing a 12 Month ALX Software Engineering Programme with a specialization in **Back-end**.

A stylized, handwritten signature in white ink, likely belonging to Fred Swaniker.

**FRED SWANIKER**  
Founder & CEO, AL Group

A stylized, handwritten signature in white ink, likely belonging to Julien Barbier.

**JULIEN BARBIER**  
Chief Product Officer, ALX



**Date of Issue:** 31st January 2024

**Program completion date:** 29th January 2024

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# The Kenya National Examinations Council



## KENYA CERTIFICATE OF SECONDARY EDUCATION

This is to certify that the candidate named below sat for the Kenya Certificate of Secondary Education examination in the subjects shown and attained the grades indicated



20404006/050



NAME: NDWIGA BRIAN KIMATHII  
LIGHT ACADEMY

\*M1\* 20404006/050

	SUBJECT
101	ENGLISH
102	KISWAHILI
121	MATHEMATICS
232	PHYSICS
233	CHEMISTRY
312	GEOGRAPHY
565	BUSINESS STUDIES

GRADE
B (PLAIN)
A
A
A
A
A
A



SUBJECTS NAMED SEVEN MEAN GRADE A  
EXAMINATIONS OF YEAR 2019  
PRINTED 200528 142315

Chief Executive Officer  
Kenya National Examinations Council



Chairman  
Kenya National Examinations Council

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Also available for candidates of merit

KCSE /19 4066628

