

# FELIX I. OKORONKWO

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## EDUCATION

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### **Nnamdi Azikiwe University**

B.E Electronics and Computer Engineering

January 2019 - 2024

### **ALX-SE [Holberton College]**

Certificate of Completion Backend-Development and Software Engineering

August 2022 - 2024

## EXPERIENCE

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### **ALX-SE [Holberton College]**

*Intern/Student*

August 2022 - Present

- Developed and deployed a full-stack web service, replicating the functionality of Airbnb. Responsibilities included designing and implementing the database architecture, creating robust APIs for seamless communication with the frontend, and ensuring optimal performance and scalability.
- Implemented advanced data structures to improve data retrieval and manipulation.
- Collaborated with team members to solve complex coding challenges, further honing my problem-solving skills
- Collaborated on a simple shell program in the C programming language. This project served as a valuable learning opportunity, allowing me to delve deep into the intricacies of C

### **Xfit Gymnasium and Aerobic Centre**

*Lead Graphics Designer*

June 2022 - August 2023

- Responsible for providing graphic illustrations and design for companies social media team
- Implemented social media ad designs for subsidiary pizza creation and delivery company pizza-lounge
- Also Implemented social media ad designs for subsidiary food preparation and delivery company xfit-kitchen

### **Tavares College**

*Assisting Teacher*

January 2018 - October 2018

- Manages course materials for college students.
- Assess student's mathematical skills in weekly assignments and sections, providing feedback for improvement through the leading of practice problems.
- Supporting the teacher in boosting students' expertise and confidence in science-related subjects.

## SKILLS

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Programming Languages:	(Proficient) C and Python, (Familiar) Javascript, Kotlin
Database:	SQL, DBMS (MySQL), ORMs (SQLAlchemy)
Linux:	Bash scripting and automation, Nginx
Containerization and Virtualization:	Docker
Version Control:	GitHub, Git
Libraries:	Flask, Requests, SDL2

## PROJECTS

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### **Airbnb clone** Python, LAMP stack, SQLAlchemy, Haproxy and Nginx

Created a full-stack Airbnb-like web service, handling database design, frontend and backend API development

[https://github.com/felixhatesbugs/AirBnB\\_clone\\_v4](https://github.com/felixhatesbugs/AirBnB_clone_v4)

### **Monty!** C programming language

Simple Monty bytecode interpreter built in C

<https://github.com/felixhatesbugs/monty>

### **Maze 3D Raycaster (In-Progress)** C, SDL2

3d maze raycaster inspired by popular 3d FPS retro game wolfenstein 3D

<https://github.com/felixhatesbugs/maze-raycasting-3D>

## AWARDS

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Laboratory Prefect and best graduating Math student, High school.