

**Durojaiye Caleb O.**

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## PROFILE

Junior Software Engineer moderately proficient in Software design, development and testing. Capable of applying unique solutions to engineering problems involving algorithm and system design; Also possess good communication, teamwork, planning, and organizational skills.

## WORK & LEADERSHIP EXPERIENCE

**Software Engineering Intern** | *GRIT Systems Engineering, Lagos Nigeria* (July 2019 – Present)

- Wrote test suite for a Meter Management Software that increased test coverage from 56% to 70%
- Debugged errors originating from configuring firmware for Smart meters and errors with API integration
- Wrote algorithm to automate a server administration task
- Designed software to simulate data flow in a data pipeline from Smart meters to a distributed database
- Implemented automatic software deployment with Jenkins

**Freelance C++ Developer** (June 2017 – Present)

- Designed a couple of Games and Desktop applications for self-learning and development using C++11, Qt5 and necessary software tools.

**Freelance Frontend Web Developer** (Jan. 2019 – Present)

- Designed and integrated simple visualizations into websites using Javascript, p5.js and necessary libraries for self-learning

## SKILLS & INTEREST

- Algorithms, Data Structure and System design.
- CI Tools: *Jenkins*
- Cloud Platform: *Vultr*
- Monitoring/Logging: *ELK Stack*
- Testing: *Pytest*
- Deployment: *Docker, Jenkins*
- Languages:
  - Python (work focused on games, data science and visualisation)  
*Projects:* Simple 2D games using Pygame, Python notebooks documenting a few data science solutions
  - C++11, Qt5  
*Projects:* A couple of Games employing Boost libraries, Game Design Patterns and C++ best practices;  
A simple Physics and Game Engine.
  - Java, Javascript

## EDUCATION & QUALIFICATIONS

**University of Lagos, Nigeria** (Jan. 2016 – Present)

*B.Sc., Electrical & Electronics Engineering*

**Akinrotaye Memorial High School, Nigeria** (2013 – 2015)

**Google Africa Android Developer Course (Udacity)** (June – August 2018)

*Certificate Link:* <https://drive.google.com/open?id=1TYybxoey2XKBpSIbsV9GkHSNxQ3UYk4M>

**Sololearn Certification on Python, C++, Javascript, etc.**

*Certificate Link:* <https://drive.google.com/open?id=1aOjTp79qcyZM2SljcC3YwC975Og732bJ>

## RELEVANT COURSEWORK

University of Lagos EEG206, EEG311: Computer Programming 1 & 2, MIT 6.042J: Mathematics for Computer Science, MIT 6.006: Intro to Algorithms, MIT 6.837: Computer Graphics.

## AWARDS AND RECOGNITION

- Beneficiary of the SPDC-JV University Scholarship Award – (2015 – 2020)
- Beneficiary of the Google with Andela Android Developer Scholarship
- Best Graduating Student, Akinrotaye Memorial High School, Nigeria (2015)