

# MacVincent Agha-Oko

SOFTWARE ENGINEER · COMPUTER ENGINEERING MAJOR · CLAFLIN UNIVERSITY

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## Education

### Claflin University

Orangeburg, South Carolina

CANDIDATE FOR A BACHELOR OF SCIENCE DEGREE IN COMPUTER ENGINEERING

Class of 2022

- Presidential Scholar, The Alice Carson Tisdale Honors College
- **GPA:** 4.0/4.0
- **Relevant Coursework:** Algorithms and Data Structures, Operating Systems, Foundations of Computing, Discrete Mathematics, System Analysis and Design, Computer Organization and Architecture, Introduction to Digital Logic Design, Circuit Analysis

## Work Experience

### Lyft

Remote

SOFTWARE ENGINEERING INTERN - DEPLOYS TEAM

June 2020 - July 2020

- Worked on internal tooling to improve how Kubernetes clusters are targeted by Lyft services at each deployment step
- Made UI changes to help developers monitor the progress of commits made to a runtime configuration repository
- Developed functionality to automatically batch, after an incident, the continuous deployment of backlogged commits

### Claflin University

Orangeburg, South Carolina

WRITING CONSULTANT

August 2019 - May 2020

- Helped students understand how to structure and develop well-written documents

TUTOR COUNSELOR - MATH

June 2019 - July 2019

- Worked with Grade 10 - 12 high school students around the Orangeburg County area
- Provided personal guidance, mentorship, and support to a group of 5 students
- Assisted the Math teacher with general Math instruction

## Volunteer Experience

### National Society of Black Engineers

Orangeburg, South Carolina

CHAPTER PRESIDENT

July 2020 - Present

- Currently lead a team of nine in the planning and execution of chapter programs

COMMUNITY SERVICE CHAIR

October 2019 - July 2020

- Worked with NSBE Jr. chapters on initiatives that help introduce engineering to high school students
- Organized programs that aim to solidify the computer science foundation of participants
- Tutored students weekly on the fundamentals of programming in Java

### Institute of Electrical and Electronics Engineers

Owerri, Nigeria

PUBLIC RELATIONS OFFICER

March 2017- April 2018

- Successfully led the planning committee for the 2017 Student Professional Awareness Conference (SPAC)
- Aided with C++, Arduino micro-controllers, and web development instruction
- In charge of recruiting efforts that led to an increase in membership

## Software Projects

### NewsRoom (<https://newsroom22.herokuapp.com>)

August 2019

- Designed a Django-based web app that allows verified users to analyze the latest news stories based on their area of expertise
- The goal of the app is to be a public town hall that combats disinformation by crowd-sourcing news analysis

### Extended Kalman Filter (<https://github.com/macvincent/Extended-Kalman-Filter>)

March 2020

- Implemented an extended Kalman filter to estimate the state of a moving object with noisy lidar and radar measurements
- Generated readings with a higher degree of certainty and a lower root-mean-square error value

## Honors & Awards

2020 **Fellow**, The CODE2040 Fellows Program

Remote

2019 **Second Place**, Claflin University Annual Business Plan Competition

Orangeburg, SC

2018 **Semester of Excellence for Fall 2018**, Claflin University Honors and Awards Convocation

Orangeburg, SC

2016 **Best Graduating Student**, Federal Government Boys College

Abuja, Nigeria

2015 **Best Delegate United Nations Office on Drug and Crime (UNODC)**, Nigerian Model United Nations Society

Abuja, Nigeria

## Skills and Interests

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- **Programming Languages:** C++, Go, Python, HTML/CSS/JavaScript
- **Libraries and Frameworks** TensorFlow, Django, jQuery, Numpy, OpenCV
- **Interests:** Robotics, Machine Learning, DevOps, Leadership