

# Uchenna Ulekwu Arinze

234, New Street Glassboro. New Jersey 08028

856-542-8587

arinze94@students.rowan.edu; arinzeuchenna@outlook.com

## OBJECTIVE

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Highly focused and motivated Electrical Engineer with 3+ years experience in electrical engineering field able to work both independently and collaboratively in a variety of settings, conditions and environments. Proven technical skills utilized in driving profitable and cost effective collaboration between Engineering and critical business functions. Looking for a position in electrical test engineering

## PROFESSIONAL PROFILE

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- Genuinely enjoy helping to solve electrical engineering problem through effective research
- Proficient in wide range of computer hardware and software including MathWorks, MATLAB.
- Expansive knowledge of engineering technology, computers, design techniques and physical principles of engineering.
- Excellent complex problem-solving skills in using logic and reasoning to identify problems, strengths and weaknesses in electrical engineering projects and using them to create and implement plans for better project.

## EDUCATION

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### Rowan University, Glassboro, New Jersey

MSC Electrical and Computer Engineering, GPA 3.75 2019 - 2020

### Nnamdi Azikiwe University Nigeria

BS Electrical and Computer Engineering 2010 - 2015

## WORK EXPERIENCE

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### Rowan University

Electrical Test Engineer 2019 - 2020

- Manage development of new products and support engineering projects having vendor management and project team meetings
- Develop electrical product design solutions
- Ensure all design activities for project are performed conforming to external and internal requirements
- Develop documentation related with electrical projects as well as engineering activities
- Perform data analysis
- Simulate and implement hardware and software test programs
- Analyze electronic capabilities to resolve problems and output requirements

- Link between production test and engineering for new product development, design changes, process changes and product diagnostics (development products, production and returns)
- Responsible for diagnosing root causes and implementing corrective and preventive actions for product failures and returns

#### **Transmission Company of Nigeria**

System Operator

2015-2019

- Control the flow of electricity through transmission lines to industrial plants and substations that supply residential and commercial needs for electricity.
- Observe voltage transformers and circuit breakers.
- Communicate with power plant operators, energy traders, and local utilities to route energy from generating stations to customers
- React to changes in the structure of the grid due to transformer or transmission line failures and route current around affected areas.
- Operate switchboard levers to control the flow of electricity in and out of the substations.

### **TECHNICAL SKILLS**

#### **Computer Skills**

#### **Soft Skills**

- Working experience with analog and digital circuit design and using PC-based testing and simulation
- Programming experience with Python, MATLAB
- Professional documentation and communication skills
- Operating various meters and performs wire checks for continuity of installed components in circuit board
- Experience working with electrical test tools such as Multi-meter, Ammeter and Oscilloscope

### **ACHIEVEMENTS**

- Written a research Paper on "Security and Mitigation of Power Grid and SCADA System against Cyber Attacks"
- Written a research paper on "Challenges of wind power integration to power grid"
- Modeling and Simulation of High Voltage Transmission Line
- Member IEEE

### **REFERENCE**

Available on Request