

Uchenna Ulekwu Arinze

234, New Street Glassboro, New Jersey 08028

856-542-8587

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

OBJECTIVE

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

- 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

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

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