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# VERONICA EYO

## Professional Summary

Resourceful Electrical and Machine Learning Engineer who has been involved in Electrical, Machine Learning, Instrumentation and Control designs for oil and gas projects, Railway Projects and other related Engineering projects. Has over eight (8) years' experience executing design projects in EPC, DED and FEED for Indigenous and Multinational Oil and Gas and Railway Companies, and over two (2) years' experience in Systems Engineering, Network management, IT System Development, Implementation and Support. Skilled in Smart Plant Instrumentation (INtools) & AutoCAD with over 5 years' experience in Award winning Proposal Preparation and defense.

## Work History

### DUOS TECHNOLOGIES INC - Electrical Engineer

Jacksonville, FL

04/2020 - Current

- A Machine Vision and Engineering Company, focused on the provision of a broad range of sophisticated and intelligent technology solutions for automation, inspection, security and safety on Railroads, Ports, Government, Commercial, Industrial and other mission critical applications.
- Designed Electrical, Instrumentation and Control Schematics, Instrument Location Drawings, Instrument/ Electrical Installation details.
- Assisted other Engineers in developing and assembling Scopes, Engineering sketches, Drawings and Specifications into a complete Package.
- Developed new Test Procedures and performed Electrical testing of systems to be deployed on the field to make sure that it functions properly and meets client's needs.
- Prepared Cable Schedules for customer Standards in accordance with NEC.
- Performed Electrical field inspections after construction to review compliance with contract documents.
- Interfaced with Vendors to assess new Products and Specifications for use in new Package designs.
- Implementation of communication systems such as Ethernet based

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## Skills

- **Development Tools:** Smart Plant Instrumentation (INtools), AutoCAD MATLAB 9.9, SIMULINK.
- **Machine Learning:** Data processing and purification techniques. Supervised learning (Classification, Regression, dimensional reduction) Unsupervised learning (Clustering-hierarchical clustering), (Anomaly Detection-Local Outlier factor), (Neural Network - Generative adversarial network) Times series analysis.
- **Programming :** C#, Python, R.
- **Platforms:** MS Windows, Linux (Ubuntu), Unix, Mac OS .
- **Mathematics:** Strong Engineering Mathematics background, Foundation of industrial Mathematics and control systems, Differential equation, Probabilistic and statistical modeling, Selection and estimation of statistical model base.

## Education

2009

Local Area Networks.

- Select Highlights: Successfully developed and designed additional new perspectives that have been retrofitted into the existing systems design and deployed on the field, based on Customer specifications.
- Determined most effective approaches to new projects by reading and analyzing blueprints, drawings and sketches.
- Created, aligned and optimized electrical instrumentation and testing equipment.

**Nigerian National Petroleum Corporation Subsidiary NETCO -  
Instrumentation and Controls Engineer**

Lagos, NG

08/2012 - 01/2020

- Focused on delivering top quality Engineering design to clients.
- Developed Instrument and Control deliverables such as Instrument Control Loops, Datasheets, Instrument Installation Details, Junction box Termination Diagrams, Cable block Diagrams, Instrument & Process Hook up Diagrams, Instrument Layout Diagrams, Overall Control System Block Diagrams, Instrument Material Take off, Instrument Requisition, Index, I/O List.
- Proficient in Relief Valve, Control Valve and Restriction Orifice sizing.
- Proficient in Smart Plant Instrumentation (INtools) & AutoCAD.
- Interfaced seamlessly with other disciplines such as Process, Piping, Mechanical, Electrical and Civil Engineering disciplines respectively.
- Select Highlights: Successfully completed assigned tasks effectively, surpassing time frame objectives while maintaining superior levels of performance.
- Achieved top client satisfaction through analysis of client's corporate culture, ensuring effective identification / addressing of client needs.
- Career Note: From 2009 to 2011 focused on the successful completion of Master of Electrical and Computer Engineering Degree.

**HitecPro Limited. - Internship**

Calabar, NG

01/2009 - 07/2009

- Supported a Very Small Aperture Terminal (VSAT) installation and performed maintenance / troubleshooting of laptops, PCs, printers, and related components / accessories. Details on request.
- Orchestrated the complete upgrade of 500+ systems from Windows XP to Windows Vista within a one-week deadline and working with interns only. Achieved successful project delivery through strategic management of resources and full project lifecycles.
- Spearheaded the deployment of Point of Sale (POS) Terminals at various locations.

**ALLIED COMPUTERS LIMITED - Systems Engineer**

Lagos, NG, Nigeria

02/2007 - 07/2009

- Premier provider of IT services to private and government organizations.

**University of Florida**

Gainesville, FL

Master of Science: Electrical and  
Computer Engineering

- Awarded [College of Engineering  
Graduate Student Achievement  
Award, 2009.]

**Federal University of Technology Minna**

Nigeria, Nigeria

Bachelors of Engineering: Electrical and  
Computer Engineering

- Services included end-to-end systems engineering and hardware / software support.
- Company was comprised of 250 staff members servicing organizations ranging from financial services providers to oil / gas, telecommunication, and manufacturing groups.
- Key contributor to support team, serving as systems engineer focused on delivering top quality hardware / software support to government organizations.
- Conducted the expert evaluation and installation of software, hardware, and equipment into client networks.
- Facilitated troubleshooting and maintenance efforts by other team members working computer and printer systems with faulty components.
- Provided the supervision and mentoring of engineering interns as well as generated weekly performance evaluation reports focused on engineering team.
- Worked collaboratively with leading providers of IT equipment (Hewlett Packard, Microsoft, APC, TallyGenicon, and Epson among others) to ensure the rapid and effective resolution of issues.
- Conducted cloning, maintenance, and troubleshooting of desktops, laptops, and printers within the Central Bank of Nigeria's Abuja branch.
- Select Highlights: Orchestrated the complete upgrade of 500+ systems from Windows XP to Windows Vista within a one- week deadline and working with interns only.
- Achieved successful project delivery through strategic management of resources and full project lifecycles.
- Spearheaded the deployment of Point of Sale (POS) Terminals at various locations.
- Career Note: Additional role includes Electrical Engineering Intern at HitecPro Limited.
- Supported a Very Small Aperture Terminal (VSAT) installation and performed maintenance / troubleshooting of laptops, PCs, printers, and related components / accessories.
- Details on request.
- Wrote and maintained custom scripts to increase system efficiency and performance time.
- Designed systems for Department of Defense for deployment by military in remote locations.
- Conducted research to test and analyze feasibility, design, operation and performance of several equipment, components and systems.

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## ***Affiliations***

Institute of Electrical and Electronics Engineers (IEEE), National Society for Black Engineer - UF, Women in Electrical & Computer Engineering - UF, Society of Women Engineers (SWE) - UF

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# *References*

**Dr. Bashir Mohammed PHD**

Data Science and Technology Research Group  
Computation Research Division(CRD)  
Lawrence Berkeley National Laboratory Berkeley,  
California, USA.  
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