

GIFT ERIC

Control, Robotics & Mechanical Engineer | Data Analytics Enthusiast

LANGUAGES

English

Native Language

[Perfect score of 990/990 on the Test of English for International Communication (TOEIC)]

Français

Elementary - Élémentaire (A2)

PROFESSIONAL PROFILE

Driven by a passion for industrial automation and robotics, I excel in digital control systems and pioneering mechatronic solutions. Each engineering challenge fuels my innovative spirit. Eager to merge my engineering expertise with managerial insight, I'm committed to advancing sustainable and groundbreaking technologies.

CAREER PATH

Mechanical Engineer Consultant at FEMTO-ST Institute

05/2023 – 08/2023. FEMTO-ST Institute, Besançon, France (On-site)

- Contracted to design and prototype an ultracompact micro-robot using SolidWorks, achieving groundbreaking precision and agility in microrobotics.
- Developed and tested modular micro-robots leveraging piezoshear actuators, significantly enhancing precision in X, Y, and theta motion control.
- Worked collaboratively with a multidisciplinary team to streamline design functionality and performance, culminating in the successful demonstration of the prototype's capabilities.

Mechanical Engineering Lead, Site Supervisor, and Project Manager,

04/2019 - 06/2022 Anthonia Golad Engineering Works, Abeokuta

- Pioneered PLC integration into construction machinery, elevating automation efficiency by 15%.
- Advanced sustainable mechanical systems for the Kotopo Duplex, achieving a 12% uplift in real estate efficiency.
- Forged a digital client communication strategy, boosting customer loyalty by 23%.
- Crafted a cost-effective pricing model, delivering a 4% cost reduction while maintaining quality.

Industrial Trainee,

08/2017 - 02/2018 Warri Refining and Petrochemical Company, Warri

- Acquired practical expertise in operating advanced industrial machinery, including pumps and compressors.
- Functioned as Junior Control Engineer, streamlining control systems for improved reliability.
- Contributed significantly to project life cycles, ensuring operational efficiency from concept to commissioning.
- Enhanced operational excellence by diagnosing and remedying inefficiencies in the Planning division.

PUBLICATION

Design and Fabrication of a Portable Automatic Coil Winding Machine

Scopus-Indexed Journal Article: World Journal of Engineering | Emerald Insight

Citation: Ebuehi, A.A., Eric, G.O. and Akinloye, B. (2021), "Design and fabrication of a portable automatic coil winding machine", World Journal of Engineering, Vol. 18 No. 6, pp. 851-860. <https://doi.org/10.1108/WJE-07-2020-0251>. Published on 30th July 2021



Besançon, France



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SOFTWARE PROFICIENCY

- MATLAB
- Python
- Solidworks
- HMI Programming
- TIA Portal
- Factory IO
- MS Office
- 3D Printing Software (IdeaMaker/Cura)

TECHNICAL SKILLS & PROCESSES

- Robotics
- CNC Operations
- PLC Programming
- Embedded Software
- Communication Protocols
- Hardware Prototyping
- Motion Applications
- Drive Solutions
- Control Products

HONOURS AND TEST SCORES

- M2 Merit Scholarship from Université Bourgogne-Franche-Comté (UBFC)
- 318/340 on the Graduate Record Examination (GRE)

EDUCATION

Master's degree, Automation and Robotics (Control for Green Mechatronics), 09/2022 - Present

Université Bourgogne-Franche-Comté – Besançon, France

Achieved second rank in the first year, with certifications in Mechatronic Systems Design by Siemens and Energy Management by Schneider Electric. Specialized in Digital Control Systems, Mechatronics & Robotics, Systems Engineering, and Energy Systems, including advanced programming for FANUC, UR, KUKA, and ABB robots.

Bachelor's degree, Mechanical Engineering, 03/2014 - 01/2019

Federal University of Petroleum Resources - Effurun, Nigeria

Graduated Magna Cum Laude; thesis on "Sustainable Electrical Energy Generation Using Biomethane-Powered Steam Turbine" resulted in a 20W output from biomethane, highlighting renewable energy solutions.

INTERESTS

Technical:

- Control system developments
- Data analysis
- Intersection of AI and robotics
- Supply chain optimization
- Graduate Member of the Nigerian Society of Engineers' Robotics and Automation Society

Creative and Literature:

- Passion for copywriting as a creative expression and communication tool
- Avid reader of Chinese literature
- Passion for Renaissance literature

Entertainment:

- Rich storytelling of anime
- Active football enthusiast (viewer/player)