Eleke Lawrence Iheanyichukwu

+2347051156720 • Abuja, FCT, 901101 • iheanyi.eleke@gmail.com • www.linkedin/in/iheanyi-eleke

SKILLS

Specializations: Web designing, mobile app development, cloud computing, Unix scripting, digital signal processing, data analysis and visualization, RF antenna design, electrical system testing and analysis, algorithm development and design, programming, natural language processing, debugging, 3D modeling, Computer networking, and system security analysis.

Technical skills: MATLAB, Octave, HTML, CSS and JavaScript, Laravel, Bootstrap WordPress, Git/GitHub, jQuery, React.js, Redux, Flux Node.js, NPM, Python, Java, C, C++, QUIS, SolidWorks, AutoCAD, ANSYS, HFSS, Heroku, MySQL, MongoDB, Microsoft SQL server, Pytorch, TensorFlow, JAX, Keras, StanfordcoreNLP, spaCy, MS office packages, Hadoop, LTspice, Altium, Docker, AWS Cloud formation and terraform.

Soft skills: Quantitative analysis, researching, excellent verbal and written communication skills, project management, strategic planning, teamwork, drive for task completion, leadership, and predictive analysis.

WORK EXPERIENCE

Fiverr   *Remote*

Full stack web developer(freelance)   November 7th 2021– present

- Redesigned a client's company's website by introducing responsive design which in turn increased the company's conversion rate by about 55%.
- Created a user-friendly website, which included an optimized check-out page for my client, which resulted in a 21% increase in site conversion rate and 40% increase in sales for their business.
- Upgraded the interface for an e-commerce website to incorporate payment APIs such PayPal, Paybook, and Stripe.
- Built an internal tool using node.js to automate QA and monitoring of a customer-facing web app which boosted click-through by 7%.

Nigerian electricity management service agency (NEMSA)   *Abuja, F.C.T*

Technical service engineer (Intern)   July 2nd 2019 – January 20th 2020

- Cataloged about 10,000 electricity meters brought to the division for testing and certification by various vendors across the nation.

- Collaborated with the interns and staff of the division to develop the division's standard operating procedure (SOP) and job descriptions as part of the agency's ISO standardization preparation.
- Created customer satisfaction forms to conduct surveys to determine how customers rate the department's services, which helped enhance customer service tremendously and increased customer influx by about 30%.
- Implemented an algorithm that calculates the monthly revenue generated by the division and creates a detailed visual representation of the data.
- Implemented firmware for the PIC 16C774 microprocessor in C, which improved efficiency by 20%.
- Inspected and tested about 88 different electrical transformers, with ratings ranging from 250V to 500 kVA.
- Developed and cataloged technical reports on all the inspections and tests conducted on the various AC machines and manufacturing sites.
- Liaised with the technical staff of the division and the staff from the Abuja electricity distribution company (AEDC) to conduct a thorough inspection of the entire electrical network in the city of Abuja, ranging from the transmission to the distribution sector.
- Assisted in completing tester risk assessments and audits, ensuring 100% safety compliance.
- Utilized AutoCAD, QUIS, LTspice, and Adobe to create design drawings and completed over 20 projects.

EDUCATION

B.Eng. (Hons.) Electrical engineering   September 15th 2015 – July 2nd 2021

Second class upper division (2:1)

Cumulative GPA: 4.0/5.0

University of Nigeria, Nsukka.

TRAINING AND COURSES

- Microwave engineering and antennas
  Eindhoven University of Technology (Coursera)
- Machine Learning
  Stanford University (Coursera)

- Digital Signal Processing Specialization
  École Polytechnique Fédérale de Lausanne (Coursera)

- HTML, CSS and JavaScript for Web Developers
  Johns Hopkins University (Coursera)
- Wind Energy
  Technical University of Demark (DTU) (Coursera)
- The Complete 2021 Web development bootcamp (Udemy)
- 100 days of code: The complete python pro bootcamp (Udemy)

PUBLICATIONS AND DISSERTATIONS

- A method of applying fixed and switched capacitors for the purpose of voltage regulation Eleke, L.I, Oshionoboh Daniel, NIEEE journal of research and innovative technology vol 2, no 1, 109-116, 2020.
- Optimal selection of Conductors for the feeder lines of a Radial distribution system network using the Grasshopper optimization algorithm (GOA), Eleke, L.I, Asogwa, M.C and Nwugwu, O.C, NIEEE journal of research and innovative technology vol 3, no 1, 165-174, 2021.
- Simulation of the Direct line start and soft start of a Three phase induction motor using MATLAB/Simulink.
- Design and modeling of a 2MW wind turbine using ANSYS and MATLAB

PERSONAL INTERESTS

Watching Sci-fi and pop culture fiction movies, playing video games, running, indulging in some light trivia and solving riddles.