MBAH STEPAHNE WILLY

Mechanical (Mechatronics) and Industrial Engineer, Data Scientist
+237672830110 | stephanewillymbah@gmail.com **|** https://www.linkedin.com/in/mbah-stephane-8a48841b

SUMMARY

Qualified Mechanics Engineer with extensive knowledge of engineering equipment and software. Committed to providing accurate Work with eye for detail. Consistently commended for meeting stringent project deadlines under budget. Organized and dependable candidate successful at managing priorities with a positive attitude. Willingness to take on added responsibilities to meet team goals. To seek and maintain full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem solving skills.

PROFESSIONAL HISTORY

Mechanical Engineer

TEBOHSKY, Douala. 2021-08- current

- Attends and lead project planning meetings to coordinate mechanical system designs with structural and architectural teams, mitigate design conflicts and coordinate delivery timelines.
- Conducted tolerance analysis at system and subsystem levels
- Designed ventilation systems for classrooms and general manufacturing facilities with an annual efficiency of 79%
- Suggested cost saving proposals on make-versus-buy analysis
- Altered and modified designs to meet requirements and eliminate malfunctions.
- Performed pre-construction, quality and safety managements and as well as constructability review, start-up and commissioning.
- Prepared and managed budgets and cost estimates for 10 projects worth USD15000 each, delivering them on time and within 10% of the target.
- Carried automobile diagnosis and assign technicians and equipment for maintenance and repairs

FREELANCER INDUSTRIAL DESIGNER

FIVER, UPWORKS, Online, 2019-06 -current

- Use Solidworks, ANSYS, AUTOCAD, CATIA to design and run test analysis on different product designed.
- Rated all time 5 star best 2D, 3D model designer and quality time management.
- Explain blue prints and draft fabrication documents for companies.
- Design Welding and fabrication plans, maintenance and dismantle plans.
- Design coupling and assembly procedures.
- Design products for 3D printing.
- Write CNC codes for different products to be fabricated.
- Designed home consumable products and large scale machinery.
- Uses Blender and other software to carry out product rendering.

Data Analyst, Data Scientist and Machine Learning Expert

Freelancer 2020-12-current

- Worked with staked holders to develop quarterly roadmaps based on impact, effort and test coordination's.
- Utilized advance querying, visualization and analytics tool to analyze and process complex data sets.
- Researched and resolved issues regarding integrity of data flow into databases.
- Documented effective and replicable methods for extracting data and organizing data sources.
- Collaborated with business-unit leaders to identify and prioritize problems.
- Designed and implemented tools to support strategic value chain optimization initiatives.
- Created various excel documents to assist with pulling metrics data and presenting information to stakeholders for concise explanations of best placement for needed resources.
- Applied statistical algebraic techniques to interpret key points from gathered data.
- Built company A/B testing frameworks to test model quality and efficiency.
- Utilized data visualization tools to effectively communicate business insights.

- Do data scraping/mining on different web sites and photo to get available data for analyses
- Teach and different data science tools; SQL, python, Google colab, Statistics, Excel

Intern Engineer
Amour Mezam Automobile Garage, Bamenda 2020-04-2020-11
- Conducted root-cause analysis of component failure.
- Collaborated with senior mechanics on projects and offered insights on repair and maintenance.
- Participated in site visits; helping to survey ongoing and planned installations and retrofits.
- Fabricated and compiled components to integrate into wand out components.
- Maintain positive work atmosphere by building positive relationship with co-workers, customers, clients, and management.
- Designed and coordinated engineering test and experiments, welding and fabrication methods.
- Implemented rich, interactive data visualizations using modern JavaScript, python and software's
- Troubleshot malfunctioning equipment to resolve issues and prevent project stoppage.
- Carry out diagnostics and reprogramming on heavy duty trucks, buses and cars.
- Evaluate and made recommendation on quality control process, and tribology.
- Assisted with coordination of new equipment installation and implementation
- Performed data analyses of information provided by clients to obtain metrics.
- Interfaced with project management team to prepare engineering submittals and work plan.

Intern Engineer
FONAB MECHANICAL ENGINEERING WORKSHOP, Bamenda 2018-07-2019-10
- Studied manufacturing equipment and processes to improve overall knowledge.
- Used AutoCAD and SolidWorks drafting software's to create electrical schematic and panel layouts.
- Processed charts and graphic included designed within design proposals for presentation to customers.
- Developed new product design modification
- Assisted with coordination of new equipment installation and implementation.
- Interpreted blue prints and technical drawings to analyze upcoming projects.
- Adhered to safety procedures and housekeeping standards to comply with regulations.
- Assisted in manufacturing and production process, given relevant interpretations and explanation on technical drawings, precisions, clearances machine regulations and others.
- Evaluated quality control processes and made recommendations to improvements in quality control.
- Carried out lathe process, welding, milling, hydraulic pressured instruments on different projects and Crankshaft rectification.
- Analyzed and planed workflow, equipment placement and space requirement to improve manufacturing efficiency.
- Tested prototypes and standard products and wrote report to document results.

EDUCATION

Career Essentials in Project Management: Project Management
Microsoft and LinkedIn –online   2022-09-2022-12

Bachelors of Engineering: Mechanical and Industrial Engineering
   University of Bamenda, Thesis- Design and realization of a water turbine to produce 200watts at low head.
Continuing Education in Mechatronics (Masters of Engineering)   2017-10-2021-12

Programming Certificate in Data Science
   Scholar Nature-Ghana (Online International BOOTCAMP)   2020-06-2020-12

CGCE A-Levels: Sciences (S1 + Futhermaths), Past in 5 Papers
   G.B.H.S Nkongsamba   2016

SKILLS

Technical Skills:
- safety management
- CAD/CAM: SolidWorks, CATIA, AutoCAD, ANSYS
- CNC: G-code, M-code
-Fabrication: Welding, molding, automation, engineering Maintenance, electrical installations
- Programming: Python, SQL, MATLAB, Arduino, C+
- Data Analysis: Advanced Excel, Google Googlecolab
- Electronics: Raspberry Pi, PLC,
Soft Skills:
- Project Management: SAP, budgeting, feasibility studies
- Communication: oral, written, presentation
- Leadership: staff management, team coordination