Dapo Oyelami

Cresta House, Luton, LU1 2EQ
+44 (0) 7956848892
Oladapo.o@hotmail.co.uk
www.linkedin.com/in/oladapo-oyelami

I am a focused, willing and self-motivated individual with a master's degree in mechanical engineering. I am seeking to utilise every ounce of knowledge, technical expertise, and hands-on skills that I have gathered for a reputable company. Refining skill set through previous employment experiences, I have shown to be competent with a challenging environment, initiative-taking and a quick learner for any task delegated.

Experience

MECHANICAL DESIGN ENGINEER | UTAC SPECIAL VEHICLES | AUGUST 2023 – PRESENT

- Design engineer responsible for developing solutions and automotive conversions for various vehicles, including passenger cars, light commercial vehicles, and trucks.
- Engineered armoured vehicle solutions across multiple OEM platforms and delivered projects ranging from bespoke small orders to large production level quantities.
- Responsible for designing sheet metal brackets, ballistic vehicle/component armour, supporting blast and ballistic vehicle testing.
- Lead and manager of Engineering Development Room where engineers create prototypes, perform 3D laser scanning and 3D printing.
- Collaborating with other engineering specialists (Electrical, Production & Quality) to complete projects and provide end-of-project services to our clients.
- Working alongside workshop technicians and fabrication team to create prototypes and production level parts.
- Hands-on experience from stripping vehicles to their body, installing various upgrades and bespoke parts.
- Providing support for both static and dynamic vehicle testing, as well as aftermarket ECU calibration and diagnostics.
- Presented design ideas in technical reviews amongst team members, suppliers and clients.
- Produced user manuals for technical reports for key stakeholders and clients.

PROJECT ENGINEER | PULSE STRUCTURAL MONITORING | JULY 2022 – JULY 2023

- Collaborating with the project management team to ensure the successful delivery of project objectives for Pulse's monitoring systems across the energy sector, including oil, gas and renewables.
- Supported the delivery of the Off-shore Mero 3 Brazil Project and managed the technical delivery from Pulse.
- Main interface between customer, 3rd party suppliers/partners, project management and internal disciplines (software, systems and mechanical) to drive projects to completion.
- Provided support and training to technicians during the production build process and conducted high-pressure water component testing.

- Support internal testing and production of associated documentation (e.g. test reports, risk assessments). Documentation control, complying with Pulse internal processes and ISO9001 documentation control.

AUTOMOTIVE ENGINEER | EXPLEO GROUP | SEPTEMBER 2018 – JULY 2022

Electrical Design Engineer – Ford Motor Company (August 2020 – July 2022)

- Responsible for designing and releasing NFC system for client's European market.
- Lead hardware, software and feature delivery reviews for ECU and sensors with team members and suppliers. Created work plan and provided status updates for management reviews.
- Hosted and coordinated CAD packaging reviews with other engineering disciplines, clients and stakeholders. Successfully conducted prototype 3D design verifications prior to launching vehicle builds.
- Responsible for signing off CAD drawings and manufacturing plant illustrations for components, as well as, defining manufacturing plant operators tasks for new components.
- Streamlined supplier's and engineer's workplan to reduce engineering design & test fees for client. Negotiated man-hours and procurement costs to reduce component complexity and provide financial opportunities.
- Created design verification plans and performed tests to ensure electrical components meet functional, legal and Thatcham requirements.
- Tracking & releasing high volume, high complexity components and managing engineering change requests.
- Utilising and collating NFC market research, quality data and failure mode avoidance for continuous product improvement.

Electrical Programme Engineer – Ford Motor Company (September 2019 – August 2020)

- Electrical programme management for client's North American market.
- Created work plans and checkpoints with engineers and suppliers to resolve open issues and meet client's gateways/milestones on time.
- Successfully coordinated a team of electrical engineers and suppliers to build prototype testing vehicles at client's manufacturing plant on time, on budget and to specification.
- Presented and supported technical design reviews to solve engineering design problems, provide cost save opportunities and reduce component and assembly complexity.
- Responsible for financial aspects such as overseeing headcount, budgets, quotations and captured any engineering change requests.
- Managed change requests between client and suppliers for traceability and to ensure minimal or no impact to the program's timing and financials.

Electrical Design Engineer – Ford Motor Company (September 2018 – September 2019)

- Responsible for designing and releasing restraints ECU for client's China market.
- Ensured suppliers products met Ford specifications.
- Tracked & released parts, performed component level and vehicle level testing.
- Signed off CAD drawings, test reports and engineering change requests.

Education

UNIVERSITY OF SUSSEX | SEPTEMBER 2014 – JUNE 2018

- MEng (Hons.) Mechanical Engineering – Second-class honours, upper division.
- Accredited Master's degree by the IMechE.
- Undertook an extra curriculum summer school course at Nanyang Technological University in Singapore, studying renewable energies and new technologies.

FORMULA STUDENT TEAM LEADER – VEHICLE INTEGRATION | SEPTEMBER 2017 – JUNE 2018

Formula Student is a student engineering competition held annually at the Silverstone Circuit in the UK. Student teams from around the world design, build, test, and race a small-scale formula style racing car. I led a team of students in the development of the race car's chassis, aerodynamics, and bodywork. We manufacture the lightest race car and bodywork in Sussex's Racing history, achieved the Universities best performance by securing 22nd place out of 81 entries and I published an article on Formula Student aerodynamics in Racecar Engineering magazine.

Key Skills and Competencies

- Project & People Management –
  Ability to form plans, implement tasks and collaborate with team members to meet project gateways or milestones.

- Time Management and Efficiency –
  Able to analyse and plan work tasks, manage my time accordingly and look ahead to prepare for upcoming activities.

- Engineering Software & Attributes –
  I am competent in the use of Solidworks, GD&T BSEN 8888, PDM, 3D printers & slicing software, VX elements and Microsoft office suite. Experience using Worldwide Engineering Release System (WERS), Teamcenter (Tce) and Vector CANalyzer.

Activities & Hobbies

- Formula One: I'm a big fan of Formula One, fascinated by the technology, competitiveness and the strategies behind every race.
- Fitness & Health: I maintain my fitness through weightlifting and running, which contribute to both physical and mental well-being.
- 5v5 Football: I play small-sided football and enjoy the fast-paced matches. It's a great way to build coordination, quick decisions and just have fun with colleagues.