

Sola Segun

+447405945740 | solasegun53@gmail.com

EDUCATION

MSc Advanced Mechanical Engineering with Materials

Grade 2.1

University of Strathclyde

2021-2022

This master's program focuses on mechanical and materials and includes modules on risk management, project management, environmental impact assessment, and sustainability.

B.ENG(Hons) Computer-Aided Mechanical Engineering

Grade: 2.1

Glasgow Caledonian University

2017-2021

I met the criteria set by City of Glasgow College for direct entry into the third year of this degree. The modules in my curriculum, which included topics such as Design Process, Assembly and Manufacture, Simulation for Manufacturing, CFD analysis, and Computer-Aided Design. This allowed me with a thorough examination of both the academic and practical facets of mechanical engineering.

TECHNICAL SKILLS

- | | | | |
|-------------|-------------|---------------|-------------------------|
| • ThingWorx | • SOLIDWORK | • Power BI | • ANSYS |
| • Excel | • Python | • Matlab | • CES EduPack |
| • PowerBi | • MS Office | • Vuforia PTC | • Revit |
| • Creo | • Inventor | • Fusion360 | • Google Cloud Platform |

WORK HISTORY

Lam Research

June 2022 – Current

Field Service Engineer

- Responsible for quality on-site repair and maintenance service of complex electro-mechanical systems
- Conduct advance machinery testing
- Apply troubleshooting techniques to eliminate equipment malfunctions
- Shadow more experienced engineers at customer sites to gain the relevant certification levels
- Install or relocate customer equipment and perform associated start-up and check-out procedures
- Perform application-related Project Management

Your Biz Consults

August 2021 – May 2022

Engineering Consultant

- I applied Granta material selection to analyze the materials in a new cosmetic bottle to make sure it was more environmentally friendly.
- Formulated the time required to complete certain tasks, to give clients an estimation of their project schedule.
- Utilized Creo and coordinated with software engineers and manufacturers for creation of robotic system
- Communicated with stakeholders using PowerPoints to help visualize potential problems that might be encountered with their robotic system

Ladbrokes

February 2017 – June 2022

Project and Retail Customer Service Manager

- Ensured shop incentives were met using Omnia and a KPI tracking system.

- Employed Power BI tracking and analytics for performance and reports ensuring that targets were regularly met.
- Organized the shop schedules and managed the budget.
- Solved customer problems by employing critical analysis and exceptional communication skills to design solutions for customers.

Deloitte

July 2020 - September 2020

Technology Consultant Intern

- Provided technology advice to small businesses, requiring high levels of attention to detail.
- Advised clients on benefits and risks associated with implementing cloud, using advanced analytical skills.
- Carried out research on areas that could benefit from the implementation of cloud technology.
- Conducted market scans for clients to define project approach.

PROJECTS

BEng Augmented Reality with Digital Twin Elements for Maintenance

Dissertation Project

- Defined and developed a fuel system Digital Twin using Augmented Reality.
- Produced a fuel system utilizing Creo.
- Conveyed complex concepts to stakeholders, ensuring all understand project scope.
- Calculated complex equations using Microsoft Excel.
- Conducted Maintenance work on the fuel system.
- Utilized Microsoft Excel, PowerPoint, Inventor, Creo, ThingWorx, Java, CSS coding, and Vuforia Studio.

Hydroponic System

Team Leader

- Created meeting schedules with Gantt charts in Microsoft Project.
- Conducted various finite element analysis simulations on components to establish structural integrity.
- Developed a thorough intellectual property research review before designing.
- Built a fully operational 3D printing of design.
- Simplified the complex system to the client through presentations.
- Applied use of Microsoft Project; PowerPoint, Fusion 360 and Ansys Mechanical.

CONTINUED PROFESSIONAL DEVELOPMENT

- Qualified Field Service Engineer Level 2
- FSE 2300 System/SW Operation/ Qualification
- FSE 2300e4/e5 Platform Maintenance
- FSE 2300 Kiyo GX Modules Maintenance
- Completed MATLAB and Simulink Onramp course.
- Certified SolidWorks Associates in Mechanical Engineering (CSWA).
- Active member in the IMechE.
- Active member at HandPrint e-NABLE Scotland.

ADDITIONAL INFORMATION

- Founder of eCommerce businesses: Continually developed connections with foreign suppliers, generating £500 in monthly sales.
- African Caribbean Society Treasurer: Using advanced communication skills I built new business relations with local businesses.
- Big team player: I played on national tv for both rugby and hurling in the national stadium Croke Park.

References available on request.