

Ifemyolunna Ahmed

2-300 Waverley Street
Winnipeg, Manitoba | R3T 2G6
abubakar_ahmed2@yahoo.com | 431-926-2937

Profile

Skilled, trilingual mechanical engineer currently pursuing a master's degree with 3+ years of research and industrial experience. Significant industry experience in engineering design and manufacturing engineering. Strong communication skills honed through working as a teaching assistant and collaborating with colleagues and classmates on technical and complex projects.

Education

Master of Science in Mechanical Engineering 2020 – Present

University of Manitoba
Thesis: (Optional)

Bachelor of Engineering – Mechanical 2020

University of Lagos – Lagos, Nigeria

Relevant courses: Project Management, Stress Analysis and Design, Engineering Materials 1 & 2, Statistics, Computer-Aided Design and Manufacturing Processes, Mechanical Engineering Modelling and Numerical Methods, Engineering Design

Awards: ULES Peer Tutor Award, Entrance Scholarship

Special Skills

Software: Microsoft Office Suite, MathCAD, MATLAB, AUTOCAD, Adobe Photoshop, Solid Edge

Computer: Java, C, C++, Python

Technical: Drafting, engineering design

Languages and Communication: English, Hausa, Arabic

Work Experience

Laboratory and Teaching Assistant September 2020 – Present

Department of Mechanical Engineering, University of Manitoba

- Prepared and instructed lab exercises for engineering courses consisting of 20 undergraduate engineering students
- Supervised 20 students in lab to ensure safety, oversee learning, explain exercises and answer questions
- Graded assignments on a regular basis for engineering courses and provided extensive and constructive feedback
- Conducted scientific research and assisted faculty in reaching research goals

Design and Drafting Technologist

September 2019 – August 2020

Engineering Solutions – Lagos, Nigeria

- Prepared construction specifications, drawings, and material estimates for customers and communicated to ensure approval
- Efficiently interpreted blueprints for residential construction to quickly move to construction
- Utilized CAD to draft and sketch models to accurately represent designs

Manufacturing Engineering Intern

January 2018 – September 2018

S&P Consulting – Lagos, Nigeria

- Performed analysis on equipment layout, assembly methods, and workforce utilization to demonstrably improve workflow and efficiency within the company
- Communicated with senior engineers and staff contributing to the project to ensure workflow and schedule met demand
- Led and managed workflow efficiency project and developed standard operating procedures to streamline workflow
- Created and implemented performance metrics to evaluate future workflow efficiency

Academic and Side Projects

CAD Product

January 2018 – April 2018

- Worked with classmates to design and create a 3D printer using CAD as a group project
- Managed the project by delegating tasks, communicating with the group, and setting deadlines for project milestone completion
- Completed a final written report for submission

Solar Water Heater

Summer 2017

- Built a solar water heater to increase energy efficiency and maximize output
- Conducted research to procure materials and model design and created an instructional guide for future use

Volunteer Experience

Peer Tutor

January 2019 – April 2020

University of Lagos Engineering Society (ULES)

- Assisted engineering students in study skills, exam preparation, and learning concepts for multiple mathematics and engineering courses

Memberships

- **Student Member**, The Canadian Society for Mechanical Engineers. 2020 - Present
- **Member**, University of Manitoba Engineering Society 2020 - Present