STEVEN MIND

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Professional Profile

A driven MSc Mechanical Engineering student with an internship experience in the automobile industry. Demonstrated CAD skills, data analysis and problem-solving approach. Possess strong leadership and communication skills developed in leadership and volunteering roles at the university. Eager to pursue a graduate role in Mechanical Engineering with a focus on production and design.

Key Technical Skills

- **Programming:** MATLAB, Python, SQL
- **Statistics:** SPSS, Excel (Advanced) and Access (database creation)
- **Computer Aided Engineering:** Solidworks and Hypermesh
- **Project Management:** Microsoft Project

Education

Birmingham University | Birmingham, UK   **Sep 2021 – Present**

MSc Mechanical Engineering (Merit, Expected)

Key modules: Advanced Manufacturing, Advance Vehicle Engineering, Bio-medical and Micro Engineering, Industrial Automation and Robotics, Advanced Fuels and Powertrain Systems, Advanced Mechanics and Thermal Systems, Intelligent Automation.

Advanced Project: 'Evaluation of cost-effectiveness of dual direction gear mechanism for shaper machine.'
- **Research Analysis:** evaluated existing data gear mechanisms used in the industry.
- **CAD Modelling:** designed a prototype to measure the effectiveness of gear.
- **Data Analysis:** analysed results using Excel to compare the models.

Birmingham City University | Birmingham, UK   **Sep 2018 – Jun 2021**

BEng Mechanical Engineering (2:1)

Key modules: Engineering principles, Mathematical Modelling, Thermodynamics and Fluid Mechanics, Mechanical Science, Design and Manufacture, Computer Aided Engineering, Advanced Mechanics.

Project: 'Implementation of structural batteries within the automotive industry to improve the cost efficiency of electric vehicles.'

Work Experience

Jaguar Land Rover | Coventry, UK   **Jun 2020 – Aug 2020**
Mechanical Engineering Summer Intern

- Collaborated with a team of 5 other engineers in the Propulsion engineering team to perform a testing project for the recent eclectic motor ensuring the model is safe and efficient.
- Designed a model using Solidworks to demonstrate possible improvements in the design of the motor parts, as a result ensuring the most efficient method is implemented in production.

Part-Time Work Experience

McDonalds | Birmingham, UK   **Oct 2020 – Sep 2022**
Crew Member

- Demonstrated effective communication skills by serving customers during busy periods, as well as managing complaints and order mistakes quickly and politely.
- Managed the head office inspection of the branch and ensured that all team members adhered to policies and that all recommendations were followed throughout the restaurant.

Leadership & Volunteering

Birmingham City University | Birmingham, UK   **Sep 2021 – Jun 2021**
Course Representative

- Represented peers at course and department committee meetings, subsequently updating fellow students on any updates and changes for the BEng course.
- Convinced the department to alter the examination timetable as requested by numerous students who could not prepare due to the lockdown and limited lab access.
- Promoted the feedback sessions and, as a result, hosted 10+ meetings with students to conduct qualitative interviews on the student experience at the department.

The Kind Church | Warwick, UK   **Oct 2020 – Present**
Volunteer

- Initiated, planned and executed a fundraiser to pay for the food supplies for the vulnerable community, raising £3,500 for the cause.
- Conducting weekly social activities for the elderly group of the church, including hosting bingo and game nights, talent shows and movie screenings.

Courses & Certifications

- **Advanced Excel Online Course**, University of Birmingham (December 2021).
- **The Complete Course of AutoCAD 3D Course,** Udemy (March 2021).
- **Centrifugal Pumps: Principles, Operation and Design Course**, Udemy (October 2020).

Additional Skills

- **Languages:** English (fluent), Arabic (native), French (fluent).
- **Microsoft Office:** Word, PowerPoint, Excel, Project.
- **Driving Licence:** full clean UK driving licence.