ADEDEJI ADEPETUN

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PROFILE

A recent graduate with a Distinction in Advanced Computer Science from the University of Manchester and a 2.1 in Mechanical Engineering from the University of Sheffield. Possessing relevant academic and technical experience gained during my academic degrees.

Able to balance competing priorities having worked part-time during my undergraduate degree. Looking to secure a graduate role which will provide industrial exposure and the opportunity for career progressions.

EDUCATION

2016 – 2018 — **MSc. Advanced Computer Science**, *Distinction*, University of Manchester.

Thesis — Piquet: An AI program that plays a game of Piquet using the Information Set Monte Carlo Tree Search algorithm and heuristic domain knowledge.

2013 – 2016 — **BEng Mechanical Engineering**, *2:1*, University of Sheffield.

Thesis — Full Scale 40MW Coal Burner design: Design of a full scale coal burner limiting coal combustion NO_x emissions using ANSYS Fluent analysis.

Awards — Undergraduate Award for Academic Achievement

WORK EXPERIENCE

October 2015 – June 2016 — **Teaching Assistant**, *University of Sheffield*, Sheffield, United Kingdom.
Mathematics for Engineering Modelling, Computational and Numerical Methods.
- Assisted in the grading of module lab work.
- Explaining foundational concepts to students.

July – September 2015 — **Mechanical Engineering Intern**, *Bristow Group*, Lagos, Nigeria.
Worked with the Bristow Aviation Technical Services (BATS) branch of the company.
- Performed maintenance checks on Sikorsky helicopters under the supervision of a senior staff member.
- Organised the maintenance timetable for the helicopter hangar.

INTERESTS

October 2014 – July 2016 — **Mechanical Engineering Academic Representative**, *Mechanical Engineering Society*, University of Sheffield.
- Represent student interests to the academic department.
- Acted as a liaison between the student body and the academic staff.

September 2014 – July 2015 — **Working Committee Member**, *International Students Committee*, University of Sheffield.
- Volunteered for the World Week parade, Language festival, International Cultural Evening.
- Helped with advertisements of committee projects, increasing the project outreach.

VOLUNTEERING

September 2014 – May 2016 — **Peer Assisted Study Session Leader**, *University of Sheffield Career Services*, University of Sheffield.
- Member of the pioneering PASS team and created a strong and viable foundation for the PASS initiative.
- Provided mentorship for several undergraduate students in the Mechanical Engineering department.

Projects

Academic

"What's that pet?" application.
- Predicts the type of pet from a picture using a convolutional neural network.
- Languages used: Python, numpy, TensorFlow, Javascript, JQuery, HTML, CSS.

Journal management web application.
- Web application that manages a library of academic journals.
- Used a agile and test-driven development approach.
- Languages and frameworks used: Python, Flask, HTML, CSS, Javascript, d3.js.

Personal

A* Pathfinding Visualisation Application.
- A Java Swing application for the visualisation of the A* pathfinding algorithm.
- Languages used: Java, Swing, A* pathfinding algorithm.

Skills

Self-taught, *Java, Python, Javascript, SQL, HTML, CSS*.

Academically-taught, *MATLAB, SPARQL, XML, Flask, JQuery*.

Intermediate Knowledge, *C#, PHP, AngularJS, React, Bootstrap*.