

ADEDEJI ADEPETUN

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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 , <i>University of Sheffield</i> , Sheffield, United Kingdom. Mathematics for Engineering Modelling, Computational and Numerical Methods. <ul style="list-style-type: none">○ Assisted in the grading of module lab work.○ Explaining foundational concepts to students.
July – September 2015	Mechanical Engineering Intern , <i>Bristow Group</i> , Lagos, Nigeria. Worked with the Bristow Aviation Technical Services (BATS) branch of the company. <ul style="list-style-type: none">○ Performed maintenance checks on Sikorsky helicopters under the supervision of a senior staff member.○ Organised the maintenance timetable for the helicopter hangar.

PROJECTS

"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.

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.