



Brandon Mboyo Mongo

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☐ Personal Statement

I am an Aerospace Engineering graduate of Kingston University and a member of the Royal Aeronautical society. During my time at the university I have been involved with group project work and individual projects. This gave me the opportunity to put the theory into a practical project. During the course and project work I have gained knowledge and experience using **SOLIDWORKS, MATLAB, TOOLS AND MACHINERY AND MICROSOFT OFFICE**. My soft skills have been greatly enhanced in particular **TEAMWORK, COMMUNICATION, ORGANISATION AND PLANNING, PROBLEM SOLVING AND ANALYTICAL SKILLS**. As you know technology is not constant and is forever changing and improving so to be making, designing and discovering new technology would be a great honour. I'm fun to be around, honest and friendly and seeking an opportunity to start building my career path in the industry.

☐ Education

Kingston University 2015 – 2018 Grade (2:1)

Year 1 Modules

- Engineering and Mechanical Principles
- Technology Mathematics, Electronics and Computing Engineering Design,
- Materials and Manufacture 1
- Introduction to Aerospace Engineering

Year 2 Modules

- Aerospace Design Methods and Materials
- Analytical Techniques, Electronics and Control
- Aerospace Engineering
- Project Engineering and Management

Year 3 Modules

- Aircraft Economics
- Aircraft System
- Group Dissertation
- Dissertation

Edmonton County and Barnet and Southgate College 2013-2014

- A Level Maths (Mechanics) - Grade C
- BTEC LEVEL 3 Engineering - Grade MP
- BTEC ICT (As) - Grade Distinction*

GCSE at Edmonton County 2012

8 GCSE's A-C including an A in Maths and a B in Physics

☐ IT/Technical Skill

- Expert user of Microsoft Office programs such as Word, PowerPoint and Excel
- Solidworks for CAD
- Matlab coding
- Using milling machines, pillar drill, band saw at an intermediate level
- Awareness of health and safety
- A knowledge of Ansys

☐ Transferable skills

- Team work
- Written communication
- Problem solving
- Numerate
- Planning and organisation
- Analytical skills

☐ Project Work

During my final year I had to write a dissertation. For my dissertation I chose to design and manufacture a solar panel drone a thermal camera with the purpose of helping first aider to deal with the aftermath of these natural disasters, for example in the event of an earthquake where building collapses with people inside it would be used as an aid tools the find people under the rubble. The drone could also be used at difficult to reach place like oil rigs to locate hotspot in their pipe systems, solar panels that would make the drone more energy efficient for places that have tropical climate. Initially I brainstormed and made a mind map of different concept designs and ideas for the drone. The main task to I had to do complete my dissertation created a flexible plan on using Microsoft project, draw the design of the drone on solidworks, workout an electrical system to integrate solar panel into the drone, manufacture the drone, program the drone to fly, collaborate it with a receiver and test it. This allowed me to develop my organisation and time management skills and expanded my knowledge of solidworks and allow me to be creative and build which I enjoyed since I was doing something practical.

☐ Professional Experience

- Night Warehouse Operative
- Yodel
- 2014- Present

I worked night shifts at a Yodel warehouse each summer in north London. My responsibilities included sorting, scanning and ensuring high volume of parcel and packages were in the correct area and ready to be picked up and delivered. I needed a good geographical knowledge and postcodes in order to perform my role to the best of my ability. I gained knowledge in how to manage my days more efficiently as this was a night shift role.

- Teaching Assistant
- West Lea School
- 2010

I pro-actively found a 2-week work experience opportunity at a special needs school working as a teaching assistant. My responsibilities included class preparation, assisting, monitoring well-being and actively taking part in activities such as reading and drawing with students. This was a rewarding experience and I gained invaluable skills around sensitivity and awareness.

☐ Professional Associations

- Member of Royal Aeronautical Society

☐ Achievements

- Raised money for Teenage Cancer Trust by doing a 5-mile run
- Completed the Imeche project
- Manged rounders' matches for year 9 sports day
- Learned to play the flute

☐ Interest

I like playing football, it's good team activity, in football the best team wins the game. Riding bikes and roller skating since it is a fun form of exercise. I play the flute, plus watching technology programs where you get to see upcoming technology, for example click by the BBC.

