**Luke Rosebury** 354 Milnrow Road, Shaw, OL2 8BJ   
+447974 560642 - [Rosebury.Luke@gmail.com](mailto:Rosebury.Luke@gmail.com)

***Education***

***Loughborough University BEng (Hons) Automotive Engineering 2014-2017*** *Result: 2:1*

Key modules: Engineering Mathematics 1-3 (including statistics), Computing, Risk Analysis, Engineering Mechanics, Control Engineering, Electrotechnology, Vehicle Design, Finite Element Methods, Computation Fluid Dynamics.

*Final Year Project - Modelling and Prediction of Tyre Rolling Resistance*

I have used MATLAB to produce a working model that simulates the effects of various parameters (such as speed, temperature, tyre pressure and carcass stiffness) on rolling resistance. The model used an iterative process to solve a series of differential equations that outputted a large dataset. The model was universal so that it could be applied to a wide range of tyres and driving conditions. Once completed, I compiled the resulting data into various graphs and charts to accurately predict rolling resistance and select optimal conditions to bring rolling resistance to a minimum.

*MIRA Test Week*

I spent a week testing vehicles to industry standards at the world-renowned MIRA test track in Nuneaton. This included:

* Designing vehicle tests to measure maximum lateral acceleration.
* Performing noise control tests to comply with ISO 362.
* Working in a wind tunnel to reduce drag and lift coefficients of a vehicle.
* Analysing test data and producing test reports.

***Crompton House Sixth Form, High Crompton 2012-2014*** A-level Results  
Physics-B Chemistry-B   
Maths-B ICT AS Level-A

***Work Experience***

***Brooks Life Sciences – Control Systems Test Engineer October 17 - Present***Working in the quality department, I test, develop and commission robotics for the market leader in automated bio-medical cold storage solutions. Day to day work involves the tuning of PID control drives for rotary and linear servo motors, commissioning devices ready for site installation and developing tests to ensure new software updates and mechanical designs are working as intended. I have worked alongside the end of line test department and as part of research and development to acquire a wide range of skills that are applicable to all future careers. Using data taken from motor drives, I frequently create reports that are read and understood by colleagues in a wide range of departments. I manage my own time and organise personal projects to ensure strict deadlines are met.

I have recently started to take on additional tasks to develop my programming skills (such as developing an s-curve calculator in python) and have started to learn PLC ladder logic in my spare time to further my career.

***Camp Chen-a-Wanda, USA June 16 - August 16***  
I spent my summer working with children in a camp in Pennsylvania. The nature of the work meant that I was consistently presented with new challenges that required quick thinking to overcome. Organising my travel and visa arrangements also taught me how to be independent.

***AV Bodies, Rochdale July 15 - September 15***Working in a small team, I assisted in the production of small horse boxes. This required me to follow instruction accurately, as well training me in the use of hand tools, saws and pillar drills.  
***C & A Service Centre, Oldham July 13***Work experience for 2 weeks where I helped with various roles from servicing vehicles to general repairs. This helped to develop a basic understanding of internal combustion engines and the design of road going cars and vans.

***Ken Rosebury Ltd, Rochdale August 12 – September 12***  
Assisted in the production of commercial vehicle bodies. Tasks ranged from preparing body panels ready for assembly, to adjusting vehicles chassis’ ready to be built on. This taught me how to be punctual, accurate and to strive in everything I do.

***Skills***

* **ICT Skills**: Excellent Excel skills developed at Brooks. Experience with MATLAB and NX 8.5 through University. Currently learning Python and PLC ladder logic.
* **Fault Finding/Problem Solving:** My current role at Brooks has me investigating faults daily and has taught me how to be diagnose and fix issues quickly and effectively.
* **Time Management:** All my university assignments were handed in with time to spare and I plan and complete projects efficiently every week at work.
* **Team Working**: Years of playing hockey have helped me understand my role in the team, and taught me to respect and trust each member to perform their individual role.
* **Organisational Skills**: I was a committee member for the Loughborough University Dodgeball Society. This involves planning, organising and running numerous events throughout the year.
* **Interpersonal Skills**: Ability to communicate with people of all ages established through my time working in a summer camp.
* Full clean UK driving licence

***Interests***

* Elected committee member for Loughborough Dodgeball Society.
* Hockey: I have played hockey since I was 9 years old and am currently a member of Rochdale Men’s Hockey club.
* Camp Chen-a-Wanda: During the summer of 2016, I worked for 8 weeks in a summer camp in PA, and an extra 2 weeks exploring the country and trying new things.
* Go-Karting: I have previously owned, maintained and raced competitively my own twin engine go-kart. This shows I have ambition and I thrive to succeed.
* I have always enjoyed trying a variety of adventurous activities including clay pigeon shooting, white water kayaking and rock climbing.