

# Daniel Mark Edward Hutchinson



**Graduate Engineer.**

M.Eng. Mechanical Engineering.

Loughborough University Expected 2:1.

# Daniel Hutchinson - Curriculum Vitae

## Personal Profile

I am an involved and active final year masters engineering student. I enjoy investigating how equipment functions and the engineered behind it and with this knowledge am driven to researching and developing methods to improve its function and to make a better product.

## Personal Details

Home Address:	Laburnum Cottage, Peckforton Hall Lane, Spurstow, Tarporley, Cheshire, CW6 9TG,	Term Address:	263 Alan Moss Rd Loughborough Leicestershire LE11 4LU
Home Phone:	01829 260 112	Email:	daniel@spurstow.com
Mobile Phone:	07851 729 033 (term time)	Date of birth:	26 May 1987

I hold a full UK driving licence & have driven regularly since passing my test in 2005.

## Education

### 2005 to 2010                      Loughborough University

#### M.Eng. Mechanical Engineering. (5year) Expected 2:1.

I have completed nearly all of my five years of study, with a current grade average of 61%, which has increased year on year, putting me on track for a 2.1 overall. This as included the following:

- Fourth 'master' year group project (2010) to assess the method used by Bombardier Transport to insulate their rail carriages, and explore alternative materials and techniques to reduce cost and increase thermal performance, while maintaining adherence to the stringent Rail Standards and assembly processes.
- Third 'final' year individual project (2009) to investigate, model, and experimentally validate the effects of support conditions on the whirl speed of light shafts as seen in marine applications (64%).
- Second year gearbox project to fully design a gearbox and case based on a given real-world scenario. An Industrial based project with local metrology firm on a current product development project.
- First year design and make project to conceptualise, design, and manufacture a prototype mechanical machine to sort sugar cubes where our team was selected fourth out of twenty.
- Other elective modules, including: Internal Combustion Engines, Mechatronics, Polymer Engineering, Fracture and Failure, Design For Assembly, Project Leadership, Laser Processing.

### 2003 to 2005                      St Nicholas Sixth Form, Cheshire.

A Level: Design Technology (A), Maths (B), Physics (B).

### 1997 to 2003                      Cloughwood School, Northwich.

GCSE: Total of 10, including one A and six B's.

## Industrial Experience

### 2007-2008

15month undergraduate placement at **JCB** including;

- 6 weeks introductory training including time at Burton College.
- 4 months with the Design Team at Heavy Products working on the JS520 project.
- 4 months with the Development Team at Backhoe including Tier3 introduction.
- 2 months with the Marketing Team at Earth Movers including customer clinic days.
- 4 months within Research working with the NVH team on homologation testing and design support.

### Summer 2002

Two weeks placement at INEOS Chlor, a large brine purification plant, including time with the management teams, electricians, 6 days with the plant maintenance engineers.

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## Other Experiences, Achievements, Interests and Skills

I run and maintain our family owned **steam powered narrowboat**, including work on the engine, fabrication of parts, general maintenance, and running repairs of all aspects of the boat. I also organise the regular operation of the boat, including the annual boating schedule, co-ordination of crew, transport and demonstration of the boat around the inland waterways. [See [www.emilyanne.co.uk](http://www.emilyanne.co.uk)]

I own and maintain a Westfield **kitcar** and participate in club level **motorsports** and am a member of the westfield sports car club attend kit car rallies and events. I am also a member of the University **Motor Club** and am the club's Membership Secretary and Webmaster.

I have done a small amount of basic **web design** for a number of small companies, as well as running my own website, and owning and administrating a **large online forum community**. [See [www.canalworld.net](http://www.canalworld.net)]

I have good **computer skills**, including proficient use of Microsoft office, experience of using SolidEdge, **NX and Teamcenter** and am comfortable with working on computer hardware.

I have spent time **rigging and operating lighting, sound, AV**, and other stage equipment. Including voluntary work for a local amateur dramatics group, work in schools, and working regular shifts at the university's student union as venue crew during first and second year.

I am a founder member of the national **Young Working Boaters Society** and am committee member, organising events, publicising the society, and developing society recognition.

I spend time on my **mountain bike** for recreational purposes. Including formation of a small spin-off cycling club at university and arranging, advertising and coordinating trips and events including event transport. I sail regularly every summer in South Devon, in a range of sailing dinghies.

At school I was heavily involved with the running of the **karting team**, including the assembly of new karts, rebuilding of engines and gearboxes, routine servicing and fabrication of parts, as well, and the logistics of transporting karts to events and competing at national level.

I obtained my **Duke of Edinburgh Bronze Award**, during which I completed the C2C cycling challenge, the RLSS Bronze Medallion lifesaving course and level 2 in the RYA sailing scheme.

## References:

### Paul King

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### Edward Mason

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