



# MEAGAN RUTLEDGE

## PROFILE

As an organized and highly creative individual I am eager to gain further experience in creating exciting, innovative products. The knowledge gained from my mechanical engineering degree has shaped my ability to achieve practical realisation of an initial idea or brief. My understanding of biomechanics and adapted machines allows me to practically problem solve, using CAD to develop, present and produce a final product.

## Details

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*Phone Number*

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*Email*

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*BSN*

## Interests

I enjoy films, volunteering at art galleries and museum exhibitions. This has fed a passion for animatronics and creative engineering props used in the entertainment industry.

In my spare time I like to remain very active with climbing, running, kickboxing and swimming.

Duke of Edinburgh Gold Award and rudimentary Italian speaker.

## References

Dr Filipe Teixeira-Dias  
F.Teixeira-Dias@ed.ac.uk  
+44(0) 131 650 6768

*Relationship: Filipe was my research project supervisor and taught me various courses throughout university.*

Mr Ryan Ashton  
ryan@wearetalent.co.uk  
+44 796 073 9069

*Relationship: Ryan was the restaurant manager at the Gatsby Club at Wimbledon.*

## Employment History

### The University of Edinburgh | RESEARCH PROJECT

JUN - AUG 2018

Liaising closely with a professor and PhD student on a research project involving the effects of mechanical impacts on human heads during un-helmeted sports, I was responsible for independent research and driving the project in an original direction. This research ultimately contributed to a presentation at the ESBiomechanic 2019 Conference in Vienna.

[https://www.dropbox.com/s/cpqa6e70mw54r47/conference\\_abstract.pdf?dl=0](https://www.dropbox.com/s/cpqa6e70mw54r47/conference_abstract.pdf?dl=0)

*Key Skills: Independent Thinking | Time Management | LS-DYNA | 3D SLICER*

### FMC for Wimbledon Tennis Championships | AREA MANAGER

JUN 2016/17/18

- JUL 2016/17/18

Worked as an Area Manager for the prestigious Keith Prowse Gatsby Club. I progressed from a waitress to managing a team of 10 waiters. This gave me invaluable leadership experience in a dynamic and pressured environment, serving high-profile clients. Top customer service and long hours were required, and this honed my teamwork skills and resilience.

*Key Skills: Management | Team Work | Customer Service*

### WagTV

JUN 2012

Researched and presented new ideas for documentaries.

*Key Skills: Microsoft Office (Word, Publisher, PowerPoint and Excel) | Presentation*

## Education

### THE UNIVERSITY OF EDINBURGH

SEPT 2015 – AUG 2019

Mechanical Engineering – 1<sup>st</sup> Class BEng (Hons)

Final Year Project & Dissertation - I designed a wind machine for special effects company, Artem. This project followed the design process from brief to realisation, and included presentation of designs using CAD.

<https://www.dropbox.com/s/ah6z2x6jpx0cue5/Dissertation.pdf?dl=0>

Projects throughout university refined my ability to problem solve both independently and within a team. These projects (including design of a hydro scheme and brake disc) were completed to a tight time schedule and utilised a variety of software and manufacturing methods to achieve the final product.

*Key Skills: MATLAB | Solid Edge | NX | ANSYS | Product Design | Python | CNC*

### UNIVERSITY OF BRITISH COLUMBIA

SEPT 2017 -MAY 2018

Studied Mechanical and Biomechanical Engineering on year abroad, achieving 1<sup>st</sup> Class grades in this year.

### LATYMER UPPER SCHOOL

SEPT 2007 – JUN 2014

4 A-levels with A grade in Maths, Physics, English and Politics.