



# ALEXANDER DANIEL

DoB: Dec 2001

## PROFILE

I am a first year General Engineering student with a passion for engineering and design. My curiosity has gravitated me to a strong interest in science and technology. I enjoy working both as a team and independently whilst striving to bring innovation and creativity to any task I undertake.

## CONTACT ME



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Newcastle



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Sheffield



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## SKILLS



HTML, CSS, JavaScript



Python



C++



Adobe Illustrator



MS-Office



Autodesk Inventor

## EDUCATION



The University of Sheffield  
General Engineering, MEng 2020-2024  
1<sup>ST</sup> Year Modules

- Interdisciplinary Design
- Introduction to Electrical Engineering
- Introduction to Process Engineering
- Thermofluids
- Introduction to Material Science and Engineering
- Programming for Engineers
- General Engineering Mathematics
- Engineering Statics and Dynamics
- Global Engineering Challenge Week (Distinction)



Royal Grammar School, Newcastle  
A levels 2018-2020

- A\* - Mathematics
- A\* - Further Mathematics
- A\* - Physics
- A\* - Chemistry



GCSEs 2016-2018

- 9 - Mathematics, Art
- A^ - Further Mathematics
- A\* - Physics, Chemistry, Biology, English Language, English Literature, Economics, Geography, Chinese
- A - French

Other qualifications

- Grade 8 Cello
- Grade 7 Piano
- Grade 5 Music Theory

## PART TIME JOBS



Kumon | Newcastle  
Teaching Assistant

2017 - 2020

Worked twice per week tutoring for the Kumon Maths and English Programmes. Mainly consisted of marking worksheets and answering the students questions.



Private Tutor

Teaching children maths, english, science and piano.

## WORK EXPERIENCE

Apr 2019

Rolls Royce | Washington  
1 week placement

Experienced designing with Siemens NX and CNC machining on the Hermes. I also learnt about several processes such as shot peening, FPI and other non-destructive testing methods as well as the importance of inspection for defects in a turbine and fan blade.



Jul 2019

Tharsus | Blyth  
1 week placement

Had the chance to use Inventor and learn how this software could be used to locate where the most stressed region. It also gave me a great insight into how their company worked, providing production services to companies with ideas for a specific machine. I found their robots for Ocado to be particularly interesting as I was with the pilot manufacturing team creating the new prototype.



Jul 2019



Aug 2019

ARUP | Newcastle  
1 week placement

Introduced me to a large variety of engineering jobs from geotechnical engineering to fire engineering all of which is relied on for the production of a civil construction. Talking to the staff emphasised the importance of working as a team between each discipline.



## EXTRACURRICULAR

Hobbies: Hockey, Drawing, Photography, Orchestra

Awards: Silver DofE, NCS, Silver Industrial Cadets