



ALEXANDER DANIEL

DoB: 2001

PROFILE

I am a first year General Engineer 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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1ST YEAR MODULES

- Interdisciplinary Design
- Introduction to Electrical Engineering
- Introduction to Process Engineering
- Thermofluids
- Introduction to Material Science and Engineering
- Programming for engineers
- Global Engineering Challenge Week

SKILLS

HTML, CSS, JavaScript



Python



C++



Adobe Illustrator



MS-Office



Autodesk Inventor



EDUCATION



The University of Sheffield
General Engineering, MEng
2020-2024



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

WORK EXPERIENCE



Apr 2019

1 week placement

ARUP | Newcastle

Has 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 highlighted the importance of working as a team between each discipline.



Jul 2019

1 week placement

Tharsus | Blyth

Had the chance to play with 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.

2017 - 2020



Marker and Assistant

Kumon | Newcastle

Worked part time as an assistant tutoring for the Kumon Maths and English Programmes. Mainly consisted of marking worksheets and answering the students questions.

Jul 2019



1 week placement

Red Engineering | Newcastle

Worked with mechanical and electrical engineers who taught me the significance of MEP services required within a building, and how these could be designed into REVIT and Navisworks.

Aug 2019



1 week placement

Rolls Royce | Washington

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