

# NATHANAEL JENKINS

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## EDUCATION

### MEng Aeronautical Engineering

Imperial College London

2020 - 2024

- Demonstrated effective team working skills to successfully complete online laboratories and projects
- Improved motivation and self-study skills by adapting to online study

### A-Levels (A\*, A\*, A\*, A\*)

Peter Symonds College, Winchester

2018 - 2020

- Produced a grade A\* extended project investigating the feasibility of ion propulsion of spacecraft and aircraft
- Networked with subject experts at RAeS, QinetiQ and Purdue University whilst conducting Extended Project research
- Established time-management skills by maintaining a high standard of work whilst studying 4 A-Levels and an Extended Project

### 10 GCSEs, grades 7-9/A\*

Robert Mays School, Odiham

2012 - 2018

- Achieved grade 9 in seven subjects including Mathematics and Physics, and grade A\* in Engineering

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## EXPERIENCE

### Aerodynamics & Simulations Engineer

Imperial College London Rocketry, Altitude Record Team

10/2020 -

- Led the aerodynamics sub-team, using advanced CFD and analytical methods to develop and test proposed rocket designs
- Demonstrated self-motivation, using several hours of online lectures to learn StarCCM+, including the use of 3D polyhedral meshing and compressible flow physics with real gas models in transonic and supersonic external flows
- Worked with advanced industry tool ASTOS to simulate and optimise rocket dynamics

### Duty Manager

The Food Warehouse, Basingstoke

03/2020 - 01/2021

- Promoted from general assistant to duty manager within 5 months
- Confidently managed busy store periods, with total responsibility for store operations, safety and security

### General Assistant

The Mill House, Odiham

10/2018 - 02/2020

### Work Experience Placements

NATS Southampton, AECOM Basingstoke, Miller Hare London

07/2017 - 08/2018

- Enhanced commercial awareness through experience in three engineering companies, each with unique goals and challenges

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## ACHIEVEMENTS

### IMechE James Clayton Undergraduate Scholar

2020 - 2024

### Arkwright Engineering Scholar

2018 - 2020

- Recognised as a future leader in engineering by the Southampton University Faculty of Engineering and Physical Sciences

### Formula 1 in Schools Alumnus, Judge and Event Volunteer

2017 -

- Achieved 5th place at the 2017 World Finals in Kuala Lumpur, Malaysia, out of 51 global teams
- Inspire the next generation of engineers by mentoring current teams
- Committed to judging at Regional and National Finals, since 2019
- Volunteered at 2020(21) World Finals as a team host, preparing students for live interviews

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## SOFTWARE



SolidWorks



StarCCM+



Fusion360



Python



MATLAB



ASTOS

References available upon request

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✉ nathanael.jenkins20@imperial.ac.uk

🌐 NathanaelJ.github.io