

# NATHANAEL JENKINS

## EDUCATION

<b>MEng Aeronautical Engineering</b> Imperial College London	2020 - 2024
<ul style="list-style-type: none"><li>● Demonstrated effective team working skills to successfully complete online laboratories and projects</li><li>● Improved motivation and self-study skills by adapting to online study</li></ul>	
<b>A-Levels (A*, A*, A*, A*)</b> Peter Symonds College, Winchester	2018 - 2020
<ul style="list-style-type: none"><li>● Produced a grade A* extended project investigating the feasibility of ion propulsion of spacecraft and aircraft</li><li>● Networked with subject experts at RAeS, QinetiQ and Purdue University whilst conducting Extended Project research</li><li>● Established time-management skills by maintaining a high standard of work whilst studying 4 A-Levels and an Extended Project</li></ul>	
<b>10 GCSEs, grades 7-9/A*</b> Robert Mays School, Odiham	2012 - 2018
<ul style="list-style-type: none"><li>● Achieved grade 9 in seven subjects including Mathematics and Physics, and grade A* in Engineering</li></ul>	






## EXPERIENCE

<b>Aerodynamics &amp; Simulations Engineer</b> Imperial College London Rocketry, Altitude Record Team	10/2020 -
<ul style="list-style-type: none"><li>● Led the aerodynamics sub-team, using advanced CFD and analytical methods to develop and test proposed rocket designs</li><li>● Demonstrated self-motivation and interest, 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</li><li>● Engaged with members of other sub-teams to propose the development of an in-house simulation program using MATLAB Simulink</li></ul>	
<b>Duty Manager</b> The Food Warehouse, Basingstoke	03/2020 - 01/2021
<ul style="list-style-type: none"><li>● Promoted from general assistant to duty manager within 5 months</li><li>● Confidently managed busy store periods, with total responsibility for store operations, safety and security</li></ul>	
<b>General Assistant</b> The Mill House, Odiham	10/2018 - 02/2020
<b>Work Experience Placements</b> NATS Southampton, AECOM Basingstoke, Miller Hare London	07/2017 - 08/2018
<ul style="list-style-type: none"><li>● Enhanced commercial awareness through experience in three engineering companies, each with unique goals and challenges</li></ul>	

## ACHIEVEMENTS

<b>IMechE James Clayton Undergraduate Scholar</b>	2020 - 2024
<b>Arkwright Engineering Scholar</b>	2018 - 2020
<ul style="list-style-type: none"><li>● Recognised as a future leader in engineering by the Southampton University Faculty of Engineering and Physical Sciences</li></ul>	
<b>Formula 1 in Schools Alumnus and Judge</b>	2017 -
<ul style="list-style-type: none"><li>● Achieved 5th place at the 2017 World Finals in Kuala Lumpur, Malaysia, out of 51 global teams</li><li>● Inspire the next generation of engineers by mentoring current teams</li><li>● Committed to judging at Regional, National, and World Finals since 2019</li></ul>	

## SOFTWARE

	SolidWorks
	StarCCM+
	Fusion360
	Python
	MATLAB

References available upon request