

Lyle Desborough

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Personal Profile

A motivated and reliable individual currently pursuing a master's degree in Space Systems Engineering at the University of Southampton, with a first-class BSc (Hons) in Mathematics from the University of Kent. Passionate about space, mathematics, and technology, with a strong interest in applying technical skills to solve real-world challenges. Skilled in analysing numerical data to identify trends and opportunities, with experience in presenting statistical models in both academic and professional settings.

Education

Sept 2024- Sept 2025

MSc Space Systems Engineering *University of Southampton*

Advanced Astronautics	Spacecraft Instrumentation
Concurrent Space Systems Design	Spacecraft Orbital Mechanics
Hypersonic & High Temperature Gas Dynamics	Spacecraft Propulsion
Introduction to Machine Learning	Spacecraft Structural Design
MSc Research Project	

Sept 2020 – July 2024

BSc (Hons) Mathematics *University of Kent*

Year 1:	Year 2:	Year 3:
Statistics	Applies Statistical Modelling	Groups and Representations
Algebraic Methods	Curves and Surfaces	Graphs and Combinatorics
Applications of Mathematics	Groups and Symmetries	Consultancy and Presentation
Linear Algebra	Lagrangian/Hamiltonian Dynamics	Games and Strategy
Mathematics Methods 1	Linear Partial Differential Equations	Statistics for Data Scientists
Mathematics Methods 2	Numerical Methods	Financial Mathematics
Probability	Real Analysis 2	Stochastic Processes
Real Analysis 1	Number Theory	Projects in Mathematics

Experience

Aug 2022 – Sept 2023

Junior Analyst *Jarmany Ltd*

- Managed the claims process for partners in the UK and Ireland, ensuring efficient and accurate handling of claims.
- Contributed to a two-person team focused on automating the claims validation process, leveraging tools such as Excel, Power BI, SQL, Python, and Power Automate, which significantly increased team efficiency.
- Developed and implemented promotional offers, enhancing partner engagement and performance metrics.
- Identified and resolved discrepancies between partner claim quantities and internal sales reports, improving data integrity.
- Created and presented monthly reports to partners, providing actionable insights to Account Managers.

Interests

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| • Reading | • Building Computers | • Video Games |
| • Playing Guitar | • Film | • Traveling |
| • Snowboarding | • Gym | • DIY |