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| Lyle Desborough  [lyledesbo.github.io](https://lyledesbo.github.io/)  [linkedin.com/in/lyledesborough](https://www.linkedin.com/in/lyledesborough/)  [lyledesborough@icloud.com](mailto:lyledesborough@icloud.com)  +44 7907 205772 | | | |  |  | |
|  | 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. | |
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| 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 | | | | | |
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| 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. | | |

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