Reece Jones

United Kingdom | Reecejones2909@gmail.com | www.linkedin.com/in/jonesreece

Summary

Highly motivated Aerospace Engineering student with a strong work ethic. I am skilled in project leadership, Computational Fluid Dynamics (CFD), and Computer-Aided Design (CAD). Through group projects at the University of Hertfordshire, including the UH Rocketry team, I have developed a professional approach, with proficiency in the full product lifecycle from design to testing. Now gaining an international perspective on engineering and technology while studying abroad at Yonsei University. I am seeking a role to apply my skills in a challenging engineering environment.

Education

University of Hertfordshire, BEng in Aerospace Engineering with Space Technology — Sept 2022 – May 2027

- Current GPA: 3.5/4.0
- **Coursework:** Control and Autopilot Systems, Fluids and Aerodynamics, Thermodynamics for Aerospace, Structural Design and CAE

Yonsei University, Seoul, South Korea, Visiting Student, Department of AI — Aug 2025 - July 2026

- **Coursework:** Introduction to Computing Research, Introduction to Computer Science, Discrete Mathematics, Distributed Learning and Inference

Project Experience

Air brake Design for Altitude Control, UH Rocketry - University of Hertfordshire — Nov 2024 - Mar 2025

- Explored the feasibility of a deployable air brake system for precise altitude control in high-altitude rocket launches
- Conducted research and analysis to establish foundational knowledge in active flight control for competition rockets
- Tools Used: MATLAB, OpenRocket, ANSYS

Development of UAV Airfoil, CDIO – University of Hertfordshire — Oct 2024 - Jan 2025

- Led a team through the full product lifecycle: design, manufacturing, analysis, and testing, utilizing Computational Fluid Dynamics (CFD) for performance optimization
- Managed project timelines with Gantt charts and machined components using a lathe and a milling machine
- Tools Used: XFLR5, StarCCM+, MATLAB, Excel

Manufacture a Mars Rover CDIO – University of Hertfordshire — Jan 2024 - Apr 2024

- Led a team as a manufacturing engineer, extending my knowledge of Computer-Aided Design (CAD) using CATIA to create components for 3D printing and laser cutting
- Applied coding knowledge to Arduino hardware and presented the final Mars Rover to stakeholders
- Tools Used: Arduino, CATIA, Excel, PowerPoint

Skills

Desgin & Analysis – Finite Elecment Analysis (FEA), CFD, CAD, Control Systems, Data Analysis

Software & Tools – ANSYS, StarCCM, MATLAB, XFLR5, Excel, OpenRocket, Visual Studio Code

Prototyping & Manufacturing – 3D Printing, Laser Cutting, Machining (Lathe, Milling Machine)

Project Management – Planning, Gantt Charts, Leadership, Presentations, Documentation, Bill of Materials Creation

Programming Languages – Basic Python, Basic Arduino C, Working MATLAB

Qualifications

- United Kingdom Driving Licence