

Lucas Albery

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MEng Mechanical Engineering student on track for a First-Class Honours, with extensive experience in motorsport engineering, race data analysis, and component design. Proven ability to lead large teams and secure high-value sponsorships. Passionate about high-performance engineering, composites, and simulation-driven design.

WORK EXPERIENCE

Torus Motorsport

Aug. 2024 – Present

Team Leader

Snetterton, UK

- Led real-time trackside data analysis and strategic decision-making, contributing to P1 race finishes.
- Monoposto Championship Runner up

Sussex Racing

Feb. 2023 – Present

Deputy Team Leader | Sep 2024 – Present

Brighton, UK

- Managed and coordinated a 120-person team, driving project efficiency and securing £65,000 in sponsorships.
- Engineered Aerodynamic bodywork using 3D CAD, CFD, and FEA ensuring regulatory compliance and optimising aerodynamics.

Chief Mechanical Engineer | Sep 2023 – Sep 2024

- Designed and developed 30+ high-performance components using DFMEA (Design Failure Mode and Effects Analysis) and root cause analysis.
- Authored technical documentation adhering to ISO 9001 and IMechE FSUK standards, for regulatory compliance.

Engineer | Feb 2023 – Sep 2023

- Designed and built parts using techniques such as CNC machining, additive manufacturing (SLS, FDM), and composites laying, using lean engineering and six sigma principles.

University of Sussex

Oct. 2017 – Present

Engineering and Product Design Mentor

Brighton, UK

- Led weekly mentoring sessions, assisting students in optimising designs and prototyping efficiency.
- Optimised students' engineering workflows by introducing Design for Manufacturing (DFM) principles.

EDUCATION

University of Sussex

Aug, 2026

Meng (Hons), Mechanical Engineering

Brighton, UK

- **Predicted Grade:** 1st Class.
- **Key Modules:** Numerical Modelling and Engineering Simulations, Thermomechanics, Fluid Dynamics, Technical Drawing and CAD, Heat Transfer, New Generation Vehicle Technology, and Low Emission Vehicle Propulsion.

AWARDS, SKILLS & LANGUAGES

- **Awards:** Industrial Design Award, Monoposto Championship Runner up
- **Skills:**
 - **Software:** Solidworks, Dassault Systems, Ansys, MATLAB, AutoCAD, Fusion 360, Microsoft
 - **Programming:** C, HTML, Python, Java, CSS
 - **Manufacturing:** CNC Machining, Additive Manufacturing (SLS, SLA, FDM), Composite Layups, DFM/DFA
 - **General:** Technical Report Writing & Engineering Reports, GD&T, Project Management, ISO 9001
- **Languages:** English, French