Theo Wride

Final Year MEng Mechanical Engineering Student with Completed Year in Industry

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Final-year MEng Mechanical Engineering student with 15+ months of professional industry experience at Renishaw UK and Nissan Motor Manufacturing UK. I combine a self-starting, practical mindset with a technical, analytical outlook to optimise engineering solutions across advanced design and manufacturing methods. Consistently achieved first-class marks in previous three years of study (76%).

Education

University of Bristol Sep. 2022 – Present

- 1st Year Results: Pass (Mathematics: 86%)
- 2nd Year Results: Pass (Overall: 75%)
- Industry Year Results: Pass (Overall: 76%)
- 3rd Year Results: Pass (Overall: 75%)

Work Experience

Renishaw UK Jun. 2024 – Aug. 2025

Mechanical Engineering Placement *Woodchester, UK*

- Mechanical engineering intern within Renishaw's interferometric laser encoder team.
- Identified and re-designed aspects of product and assembly process to reduce manufacturing costs by £20k/year, while simultaneously fixing a number of high-cost quality concerns.
- Re-designed tooling for a key assembly, consolidating four manual steps into a single automated operation. This cut labour time by 60% (£10k/year saved) and eliminated an existing ergonomic strain for operators.
- Led a cross-functional design team to create new tooling for fibre optic assemblies, eradicating numerous assembly-related quality issues.
- Presented three workflow improvement strategies to the engineering team, informing leadership's drive for continuous improvement. These included cost-benefit analyses on new test equipment, and a top-down approach for solving high-priority engineering concerns.

Nissan Motor Manufacturing UK (NMUK) Aug. 2024 – Aug. 2025

Trim & Chassis Vehicle Engineer *Sunderland, UK*

- Collaborated with four separate design centres and contractors across Europe, US and Japan to investigate and fix high-priority customer quality concern items, enhancing project management and problem solving skills.
- Optimised process cycle-times and improved operator ergonomics by learning and applying advanced CAD skills such as surfacing tools, PLM system management and design for manufacture.
- Presented cost-reduction and quality improvement items to senior plant directors, improving professional communication and presentation skills.
- Developed prototyping knowledge through jig design projects and contractor consultation, e.g. optimising robust and accurate design geometry for a 3D printed TPU rubber jig.
- Learnt and developed automotive tolerance stack-up ability, aiding the root-cause analysis of complex dimensional fit and finish quality issues.

Private Maths Tutor Sep. 2024 – Sep. 2025

Sunderland, UK

- 80+ hours coaching two mathematics students transitioning from GCSEs to A-Levels, focussing on fundamental understanding and exam technique.
- Developed teaching and communication abilities through lesson-planning and adapting to students' needs.

Super-Curricular Projects

UKSEDS Advanced Olympus Rover Trials Sep. 2025 – Jul. 2026

Mechanical Team Lead & Chassis/Powertrain Integration Member *Bristol, UK*

- Led the mechanical sub-group for national university rover competition team, managing deadlines for all deliverables and ensuring effective integration with two other sub-groups by utilising Gantt charts, risk registers and budget plans.
- Conducted static and dynamic FEA analyses to ensure structural rigidity and tune the chassis's natural frequency outside competition vibration-test parameters, achieving the best vibrational-test performance during competition.

Interests

BSAC Assistant Scuba Dive Instructor 2025 – Present

BASI Level 1 Ski Instructor 2020 – Present