

Evan Albury

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Education:

University of Sheffield 2023 - 2028

Studying for a Masters in Mechanical Engineering with an industrial placement year.

- ❖ Predicted a First Class
- ❖ Excelled in Computational and numerical methods (93%), Fluids Engineering (88%) and Mechanics of Deformable Solids (87%)

Winstanley College, Wigan 2021 - 2023

3 A-levels (A*A*A) in Maths Physics and Chemistry and an Extended Project Qualification on Safety in Motorsport.

Bridgewater School, Manchester 2016 - 2021

10 GCSEs (8 at grade 9/A*) Including Mathematics, English and Science.

Technical Skills:

- ❖ **Design Software:** CAD – Fusion 360, Autocad & Tinkercad
- ❖ **Simulation Software:** FEA – Fusion 360 ; CFD – Ansys workbench
- ❖ **Manufacturing Skills:** 3D Printing – FDM ; Lathe ; Hand & power tools ; Laser cutting ; Soldering
- ❖ **Diagnostics:** Mechanical fault detection ; Component testing
- ❖ **Programming Languages:** MATLAB ; Python ; C++ ; C ; HTML
- ❖ **Training Courses:** IPAF (3A & 3B); PASMA, Power Tools; Spill Kit; Harness Inspection; Abrasive Wheels
- ❖ **Project Management:** Gantt Charts ; Trello
- ❖ **Microsoft Office:** Excel ; Word ; PowerPoint
- ❖ **Full clean UK drivers licence**

Relevant projects & Experience:

- ❖ **August 2025 - F1 style wind tunnel:** Designed and manufactured a small scale wind tunnel for the purpose of validating CFD carried out on conceptual car parts.
 - Improved lots of technical skills through designing in Fusion 360 and Tinkercad, using 3D printing for many of the parts as well as testing CFD results from Ansys workbench.
 - Gained skills in electronic component design designing an air speed control valve.
- ❖ **Summer 2024 & 2025 - Assistant Maintenance Engineer job:** Carried out maintenance and repairs at an industrial plant hire company across 2 summers as well as Christmas and Easter holidays.
 - Added to my teamwork skills by working in a team of 10 engineers to achieve the company's goals.
 - Improved my time management skills by meeting deadlines and ensuring machines were ready to be hired out at correct times
- ❖ **May 2025 - EAPC gearbox:** Designed and built a gearbox for an EAPC.
 - Developed new leadership skills through taking lead on multiple project stages, allocating workload and monitoring progress.
 - Developed critical team design skills through shared CAD files and team design meetings.
- ❖ **January 2025 - Engineering You're Hired:** Designed an architecture for space living.
 - Developed valuable research skills through designing for a problem new to me.
 - Put my active listening skills to use by working in a multidisciplinary team with everyone presenting their research.
- ❖ **September 2024 - Mechanic at BSRC races:** Helped voluntarily as a mechanic at British Superkart Races. Finished in second place most recently in 2024.
 - Gained valuable practical experience through carrying out maintenance, pit stops and pre-start checks.
 - Improved my decision making through setup and design choices and also gained an understanding in vehicle dynamics.
 - Gained analysis skills through looking at data and telemetry.

- ❖ **May 2024 - Water Bottle Rocket:** Designed and built a water bottle rocket & launcher for transporting loads.
 - Utilised my communication skills by working in a diverse team with other engineers.
 - Improved my creativity by coming up with innovative design solutions to unique problems.
- ❖ **January 2024 - Global Engineering Challenge:** Worked in a multidisciplinary team to design transport infrastructure for a remote village in Cambodia.
 - Added to my presentation skills through multiple progress reviews - won the Dr. Trish murray professional behaviours award for presentation.
 - Adapted to a virtual way of working, through online meetings and collaboration on the same document.
- ❖ **September 2023 - Reaching aid:** Designed a reaching aid for people with limited arm mobility.
 - Improved my problem solving and critical thinking skills by coming up with a unique design to a modern problem.

Work experience:

September 2025 – Present – Bar One, Sheffield – Bar staff

June 2024/25 – September 2024/25 – Astley Hire (Industrial machinery hire company), Leigh (summer internship)

Assistant Maintenance Engineer:

- ❖ **Training courses:**
 - PASMA ; IPAF ; Manual handling ; Spill kit ; Harness inspection ; Abrasive wheels ; Power tools
- ❖ **Carrying out PDIs on industrial machines:**
 - Battery testing an replacing ; Re-wiring plugs & transformers ; Function and visual checks
- ❖ **Repairs :**
 - Mechanical & Electrical diagnostics ; Stripping motors ; Stripping & rebuilding machines

September 2021 –December 2021 – Bents Garden Centre, Warrington (seasonal worker) – Dining Assistant

Hobbies / interests:

- ❖ **Motorsport** – Huge fan of F1 and other motorsports - Helped out as a mechanic at BSRC races and plan to enter into Formula Vee soon.
- ❖ **Tae-Kwon-Do** - Black Belt – 12 years.
- ❖ **Running and Triathlon** –Running and riding locally as well as some races, recently ran the Yorkshire 3 Peaks and the Manchester marathon.
- ❖ **Weight training** – Been consistently going to the gym for 4 years.
- ❖ **Member of IMechE**

References available on request