Zach Humphrey

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**Personal Statement**



I'm a hands-on problem solver with a passion for craftsmanship and engineering. Originally from a small coastal town in North Norfolk, I’ve always enjoyed projects that challenge me, stretching my abilities and keeping me fully engaged from start to finish. For me, there’s nothing quite like working with my hands—feeling and seeing the problem I’m solving makes the process more rewarding and helps me find better solutions. Whether I’m rebuilding bikes across the globe as part of a World Cup team, or working on a complex system in CAD, I pride myself on delivering high-quality results that reflect hard work and precision. I enjoy collaborating with teams when the fit is right, but I also thrive when I can tackle projects independently. My ultimate goal is to create work that stands out for its craftsmanship and quality.

**Education and Qualifications**



**London Software Training** [2024]

* Autodesk Fusion Bespoke 1-2-1 Course

**Gresham’s School** [2007 – 2023]

* A Level Grades
* 3D Design – A\*
* Maths – B
* Physics – C
* Computer Science – C
* GCSE Grades
* A - Additional Maths, English Literature, English Language
* 9 - Maths, Physics, 3D Design and Computer Science
* 8 - Graphic Design, Chemistry
* 7 - Biology
* 6 - French

**Main Achievements**

**Neville Bone Memorial Prize for Engineering** [2023]

* Awarded the 2023 engineering award from Gresham’s School

**A-Level Computer Science Coursework** [2022-2023]

* Developed a web-application and data acquisition device that records data from a mountain bike and calculates jumps, GPS and G-Forces, wirelessly store the data in a local database,and present the data to the rider in an animation on satellite Imagery. (Grade: A)

**Royal Electrical and Mechanical Engineers (REME) contingent** [2021-2023]

Gresham’s School CCF

* Rebuilt a Series 3 Land Rover Defender onto a new chassis.
* Dismantled and repaired the fibreglass body on a hovercraft.

**Bronze, Silver and Gold DofE** [2019 - 2022]

Duke of Edinburgh’s Award Scheme

* Gold: Physical Section - 12 months – Rugby. Skills Section - 6 months - Royal Electrical and Mechanical Engineers. Volunteering Section - 12 months - Helping with Design and Technology after school activity for ages 10-13.

**Employment History**

**World Cup Mountain Bike Mechanic** [2024 - Present]

* Muc-Off Young Guns Team
* Mechanic for Nacho Garcia and Junior National Champion, Heather Wilson in their first year as World Cup racers and onwards.
* Skills Learned: Working efficiently as a key part of the team, communication, multitasking, organisation, mechanics.

**Vehicle Technician** [2023]

* Archer Engineering
* Vehicle technician at Land Rover Defender specialist.

**Bike Mechanic** [2022 - Present]

* Black Bikes Adventure Hub
* Skills Learned: Bicycle maintenance, presentation, customer service.

**Beach Lifeguard** [2022 – 2024]

* RNLI
* Skills Learned: First aid, communication, quick thinking, performing under pressure.

**Selective Interests**



* Mechanical Engineering
* Mountain Biking
* Programming

**Other**



Full and clean UK driving licence.

Several first aid qualifications incl. SLSGB Surf Lifesaving

Proficient at Python 3

Continual development in Autodesk Fusion 360