**William Gasson**

38 Arkwright Road, Hampstead, London NW3 6BH

Mobile: 07541821911 / Home: 02074197796 / [william@gasson.org](mailto:william@gasson.org)

**Profile**

**Practically minded and technically strong**: I have taken the more mathematically intense courses and excelled in lab work. In my 4th year I have grasped the hard parts of machine learning and optics while engaging in hands-on experimentation and coding for as part of my research into lensless cameras for my 4th Year Project.

**Tenacious and focused:** I have been a long distance runner completing marathons and half marathons. My performance has improved year on year by sticking to the program and keep strong time management. I have stamina for the long road that is a science PhD as part of a top research team.

**University of Oxford, (October 2017 - present)**

**Studying for Engineering Science for MEng award in 2021 at St Edmund Hall, 2.1 expected**

**First & second year courses:** Mathematics, Electronics & Information Engineering, Stuctures & Mechanics, and Energy systems

**Third year courses**: Electronic Devices, Circuits & Communications, Information Engineering, Control Systems, and Software Engineering

**Fourth year courses:** Optoelectronics, Machine Learning, Computer Vision, Robust Control, Probability and Mathematical Techniques

**Year 3 Project, Team design of a search and rescue drone network:** Focused on communications part of project looking at how to connect a large array of remote nodes.

**Year 4 Project, Lens-less imaging system:** Researching image reconstructions from a linearly spatially invariant transformation and non-spatially invariant through training from a known scene.

**Harrow School, (2012 – 2017)**

**A levels (2017): 4A\* Maths, Further Maths, Physics, Chemistry, A Design and Technology**

**GCSEs (2015):** 8A\* 3A 1B

**School prizes:** American Engineering Award for Design, Computational Physics and Engineering Award, Silver and Gold Olympiad Awards for Maths, Physics and Chemistry

**Engineering experience**

**Telecom IT Department, Jordan:** Remote internship with Umniah, working on caching in their data analytics group (Summer 2020).

**Machine Manufacturer, South Africa:** Internship, provided broad experience from wiring up and coding PLCs to laser cutting sheet metal (December 2018).

**Coding Summer School, UCLA Engineering Faculty:** Course required designing and then programming self-driving cars, I used solidworks to design the body of the car and programmed an Arduino to respond to sensors to control the direction of the car. (Summer 2016).