

# William Fahie

Physics Masters Student at Pembroke College, University of Oxford

## PERSONAL DETAILS

Address            Pembroke College, St. Aldates, Oxford OX1 1DW  
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Date of Birth     15/08/2004

## EDUCATION AND QUALIFICATIONS

2022 - Present	<b>University of Oxford</b> (MPhys) Physics <i>1<sup>st</sup> class in 2<sup>nd</sup> and 3<sup>rd</sup> year, currently in 4<sup>th</sup> year</i> <i>Roger Bannister Award, Crankstart Scholar</i>
2020-2022	<b>Sherborne School (full academic scholarship)</b> A Levels: Mathematics (A*), Physics (A*), Computer Science (A*) AS Level: Further Mathematics (A, self-taught) EPQ: 50/50 (A*) Morcom Prize for Mathematics, Turing Prize for Computer Science
2015-2020	<b>Shaftesbury School</b> GCSEs: 9 A*'s (or equivalent)

## PROJECTS

### Achuar Translator

- I spent 6 weeks living in the Ecuadorean Amazon, working with the Achuar tribe to produce an educational app for translation between Achuar and English, including a dictionary, animal directory and interactive lessons.
- It features a translator between the two languages using a machine learning model trained on the data collected whilst we were out there (and the submitted data we continue to receive over time).
- It is available on the Google Play Store (and Apple App Store soon), but can also be found at <https://achuar-ingis.com/>

### Machine Learning NEA

- “Evaluating handwritten expressions using machine learning”.
- I built from scratch a random forest classifier designed to evaluate expressions written by the user. Combined with a simple GUI, the final program became a useful tool for quick calculations during my time in sixth form.
- The project helped me to achieve a top 50 mark in the country for A Level Computer Science.

### Parrock

- Parrock is a software startup, where we are building an AI tool used for helping businesses to research and write social value/ESG proposals for UK tenders.
- We have been developing it alongside several social value professionals (BT, Mace, Capita) and are currently looking for investment to help us get through the infosec onboarding process.
- <https://parrock.uk>

### The Physics Footprint

- To get the most out of the articles I wrote at school, I created a website where I posted the articles as a blog called The Physics Footprint, which was enjoyed by many students and teachers.
- <https://thephysicsfootprint.wordpress.com>

## WORK EXPERIENCE

August – November 2025	<b>University of Oxford – Research Intern</b> I developed and implemented a novel machine learning approach for the classification of final state particles in pion-argon interactions, with data collected by ProtoDUNE.
June 2025 – Present	<b>OUABC – President</b> I've boxed with Oxford University throughout my course and was lucky enough to compete twice last year. I will serve as president for the 25/26 season, where, in conjunction with my media agency, I aim to make the Oxford vs Cambridge varsity (the oldest amateur boxing competition in the world) a must-watch event.
Feb 2025 – Present	<b>Varsify Media – Founder</b> Disappointed with the lack of high-level promotion for UK university sports, I used my video editing experience to start Varsify Media. In our first month, we were working with several major Oxford University sports teams, amassing 250,000+ views and significantly boosting ticket sales for the club's respective varsities. Going into the next academic year, we are engaging in annual partnerships, aiming to provide consistent promotion throughout the season, and boost their varsities to the next level. <a href="https://varsifymedia.com">https://varsifymedia.com</a>
August 2023 – June 2024	<b>Newsthink – Video Editor</b> I edited and animated mini documentaries for the YouTube channel Newsthink. Videos ranged from science to politics, and my most successful edit now has over 3 million views.
July – December 2023	<b>Critical Edge – Video Editor</b> I edited the promotional content for an Oxford based podcast. An incredible opportunity to listen and work with influential guests including Wim Hof, Eliud Kipchoge, Spencer Matthews and many more.
2022 – 2023	<b>Snipette – Writer and Producer</b> I wrote articles ranging from history to cryptocurrency. I converted some of Snipette's articles into YouTube videos for their channel, helping to grow their brand. I acted as the narrator and video editor, acquiring over 40,000 views during the month I worked on the channel, which began on 0 subscribers.
July – August 2021	<b>Magdrive – Researcher</b> After interviewing the CTO of Magdrive for my EPQ, I was offered a summer internship. I worked from their office at Harwell Campus, Oxford, where I researched and produced reports on topics including emerging space propulsion technologies and the industrialisation of low earth orbit.
2020-2022	<b>Oxford Events Company – Video Editor &amp; Front of House</b> Edited the videos for their summer and Christmas cooking courses. Waitering and general front-of-house work at weddings and corporate events.

## INTERESTS

**Marathon running** (2023 London Marathon at age 18, 0.5% of youngest runners that year; raised over £1000 for Children with Cancer UK); **Formula 1** (a passion for the sport particularly the statistics and strategy), **3D printing** (during COVID, my father and I 3D printed large volumes of PPE to be used in local hospitals, now own multiple printers and design/print regularly); **Computer hardware** (extensive knowledge of computer hardware, have built or repaired countless PCs, phones, tablets for friends and family); **Public speaking** (given several talks to schools, usually focussing on Mars colonisation).