

## EDUCATION

### Eton College, UK

Reading for A levels: Year 13 (Predicted): Math A*, Physics A*, Chemistry A*, Economics A*	2025
IGCSEs, Year 11: 11 A*s/9s achieved in Aug 24 (100% in Math)	2024
Math, English Language, English Literature, Geography, History, Spanish, Chemistry, Biology, Physics, Latin, Computer Science	
<b>SAT:</b> Overall: 1560, Math: 800, English: 760 (1 attempt, Aug 2024)	2024

### Courses and Programs

- STATS 0001, Wharton Pre-Baccalaureate Program (2 College Credits)
- Exploring Renewable Energy Schemes, UPenn (Coursera)
- Einstein's Theory of Relativity, Stanford (Coursera)
- Entrepreneurial Incubator Program, Eton College
- AI Scholars Program, Inspirit AI
- Asset Management Program, Morgan Stanley

## AWARDS & HONOURS

• The Earth Prize	Top 5 in Europe, Scholarship	2024-2025
• UKMT Senior Mathematics Challenge	3x Gold	2022 - Present
• UKMT Intermediate Mathematics Challenge	3x Gold	2021 - 2023
• RSC Chemistry Olympiad, UK	Silver	Feb 2025
• BPhO Astrophysics & Astronomy Olympiad, UK	Bronze I	Jan 2025
• Financial Times Reading Challenge, UK	Letter of Merit	2024 - 2025
• Cambridge Research Proposal Competition, UK	Finalist	Jan 2025
• BPhO Astrophysics Challenge, UK	Merit	Nov 2024
• Diamond Challenge, Uni. of Delaware, USA - Global Social Innovation Track	3 <sup>rd</sup> Grand Winner	Apr 2024
• Consulate General of India's Youth Empowerment & Service Award in UAE	Winner	Aug 2024
• Inspirit AI Scholars Program, USA	Best Presentation	Sep 2024
• Oppidan Scholarship (Consecutive distinctions for all exams from the start of school)	Scholar	Dec 2022
• Sent Up For Good* (Acknowledged for excellent work permanently archived at Eton)	Archives	Jan 2025
• Commended For Good Effort	47x	2021 - Present
• Academic Distinctions	6x	2021 - Present
• Hoberman Prize & Khemka Social Impact Prize	Finalist	Feb, Mar
2025		
• Moseley (Senior Physics) Prize	2 <sup>nd</sup> in Class	Feb 2025
• OEEES Sustainability Prize	Shortlisted	Oct 2024
• Birchall Citizenship Prize	Winner	June 2024
• Hawtrey Latin Declamation Prize	Winner & Second Place	2023, 2024

## LEADERSHIP

<b>Eton Prefect ("Sixth Form Select")</b>	May 2025 - Present
• Nominated by the headmaster and teachers to the prefect body composed of elite scholars selected for academic achievements, disciplinary records, and proven reliability. Responsibilities include leadership roles under senior staff, delivering speeches, and contributing academic papers to the Headmaster's Essay Society	
<b>The Eton STEM Committee</b>	Nov 2024 - Present
• Run the entirety of STEM-related projects at Eton, from junior educational STEM clubs to major competitions and events	

## MAGAZINES & PUBLICATIONS

<b>Write, edit and design</b> for each magazine issue. <b>Promote and drive sales</b> while ensuring significant outreach within the community.		
The Speaker (Politics) Magazine	Lead Writer	June 2023 - Present
EtonSTEM Magazine	Editor (Chief of Astrophysics)	Dec 2024 - Present
Daedalus (Engineering & Design) Magazine	Editor	June 2025 - Present

## ENTREPRENEURIAL INITIATIVES

<u><b>Venture</b></u>	
<b>Cofounder: CynoFilter, UK</b>	Sep 2024 - Present
• Building a natural cyanobacteria-based carbon filter encased in a sodium alginate matrix. Provides an alternative method of carbon sequestration at 90x the mass-efficiency of trees, and at a scale of just 2m <sup>3</sup> per unit.	
• Currently in the testing phase of our business plan, but we have been awarded the " <a href="#">Earth Prize Scholarship</a> " after coming Top 5 in Europe for innovation and revolutionary potential, were finalists for the Hoberman Prize, and received global recognition.	
• Completed a research paper** and received sincere interest from investors following our prize submissions. Currently working on a patent.	
<b>Founder: Switched On Podcast</b> , (30+ episodes across all platforms, <a href="#">Podcast Link</a> )	Jul 2023 - Present
• Created, hosted and edited a podcast on YT, Apple Podcast, IG, Spotify, & EtonX, dedicated to enhancing career literacy via live interviews	
• Then founded a program with my school, set up new equipment, a studio, and began recording interviews of guest speakers	
• Select, research, invite, greet, host and introduce speakers to Eton, as well as conduct a formal dinner and lead opening/closing remarks	
• Edit and post recorded interviews online in partnership with 950+ under-resourced state schools (50,000+ students) for career literacy	
• *In recognition, my project was dedicated to the permanent Eton Archives to be stored among the illustrious works of past alumni (S.U.F.G.)	

## RESEARCH

<u>**Research on Cyanobacteria and the evolution of "CynoFilter"</u>	Nov 2024 - June 2025
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**Sustainability and Bio-Engineering Research Paper** (*involving creating an independent prototype design and lab testing at Eton College*) – titled, “Cyanobacteria & Atmospheric Carbon Capture: The Design and Potential of the CynoFilter”: researching a natural solution to the climate crisis by harnessing cyanobacteria for atmospheric carbon sequestration. The CynoFilter—a low-cost, honeycomb-structured biocapture unit—uses cyanobacteria supported by membrane-enhanced filtration, offering a scalable, durable, and environmentally safe alternative to conventional methods.

*Research on AI-integrated Home Energy Management Systems (‘HEMS’)*

Aug 2024 - Mar 2025

**Sustainability and AI Research Paper** titled, “Energy sustainability and HEMS through an AI-centric lens: finding an optimal solution through prediction and proactivity” : The urgency of energy management is increasingly underscored in HEMS, which aims to reduce household energy wastage through machine learning and automation. This research highlights and evaluates the importance of predictive algorithms towards incentivizing human action, while instructing an autonomous system on behavioral change requirements.

*Research on Astrophysics and Orbital Cycles*

Sep 2024 - Apr 2025

**Under the guidance of Dr. Peter D. Mann, Eton College – Astrophysics Research Project** titled, “An evaluation of a near-earth asteroid: exploring orbital modelling and contemporary astrophysics technology”: An in-depth study of the Gauss Method and software such as AstroImageJ and JPL Horizons in order to determine an Asteroid path over the next few million years. Used real-life observations with the help of the Faulkes telescopes in Hawaii and Australia.

## MODEL UNITED NATION (‘MUN’) ACHIEVEMENTS

**President of MUN Society (Keeper), Eton College**

May 2025 - Present

- Responsible for training delegates, organising internal conferences, and representing the school at national and international MUN events.
- Spoke and presented at local partnership schools (i.e. Holyport College) to provide connections & opportunities for underprivileged students

**Attended all available MUN conferences** since joining Eton College, winning various **awards:**

Sep 2021 - Present

Outstanding Delegate & Best Position Paper

OxfordMUN

Feb

2024

2x Best Delegate (within the ECOFIN committee & the entire conference)

TVLP

May 2025

## SOCIAL ACTION PROJECTS

**Environmental Action, Deputy Head of Partnerships**

Sep 2024 - Present

- Completed 6h of Climate Fresk Facilitation training, qualifying me to actively train and spread awareness
- Used this training to assist local state schools, before initiating an environmental literacy project to improve energy usage and sustainability
- Conducted energy audits to measure school carbon footprint, spoke out frequently and have led and organized interschool events

**Eton Action Committee Member**

June 2024 - Present

- Responsible for Eton’s local community outreach and charitable work
- Organized and volunteered at an event for local elderly population
- 4x Eton Action Fair: ran stalls, drove sales, and managed the clean-up and recycling work afterwards (Raised £30,000 per year on average)

**Saathi Lead Volunteer**

May 2021 - Present

- Regularly assist with the work of Saathi, a startup dedicated to eradicating Period Poverty sustainably, with a buy one to give one policy.
- Personally took part in donation drives across villages in India and Africa, distributing over 10,000 pairs to girls in need.
- Promoted and made sales across the UK, UAE and India, and (in a team of 2 with my sister, the founder) won \$4000 at the Diamond Challenge as the Social Innovation Grand Prize Winners.

## COMBINED CADET FORCE (‘CCF’) ACHIEVEMENTS

**Platoon Commander, Eton College**

June 2025 - Present

- Part of the CCF Senior Leadership team, reporting directly to experienced military officers and controlling major field operations
- Commanded lower years and teach them basic military training, i.e. cooking rations, drill, weapon handling

**Rank - Lance Corporal, Eton College** (On account of exemplary military performance)

May 2024 - Present

- In charge of leading and planning reconnaissance missions and section attacks for Normandy 3 Section

**Licenses and Achievements**

- License - Passed off the Square (Drill Training) Dec 2023
- License – First Aid Medical Training Feb 2024
- Achievement – Half Star (Battle Experience) Mar 2024
- License – Weapons Handling Training (Fully qualified and entrusted with SA-80 L85 rifle during military exercises) Oct 2025

## INTERNSHIPS

**AVAADA**, solar panel production and project development company, Engineering Intern, Mumbai, India (2 weeks)

Apr 2025

- Conducted site research and learnt various technological and country-specific regulations in order to perform solar project development
- From comprehensive market and field data, I analysed local competition threats and undertook a variety of engineering-focused roles

**CleanTech Global Renewables**, RE company specializing in solar projects, Engineering Intern, Manila, Philippines (2 weeks)

July 2024

- Assisted with both wind and solar project development, and visited existing sites for an in-person learning experience
- Gained an understanding of PV and wind farm design, project management and operations, as well as global energy market trends

**Credilinq**, an AI focused, Series-A fintech company, Research Intern, Singapore (3 weeks)

July 2023

- Conducted e-commerce research, market mapping, competition review, and go-to-market approach, especially for Amazon sellers.
- Researched requirements of the European General Data Protection Regulation (‘GDPR’) to provide insights for the company
- Published a structured report summarizing the findings and recommendations on GDPR using a methodical approach.

**Mashreqbank psc**, 4th largest bank in UAE, Investment Banking Intern, Dubai, UAE (2 weeks)

Mar 2023

- Maintained records, databases and client documents in a structured manner & deconstructed financials & created reports on potential clients

## EXTRA CURRICULAR

**Music** (participated in school and exterior concerts each year)

2017 - 2024

Piano – Grade 8 Trinity

Theory of Music – Grade 5 Trinity

Drums – Grade 5 Trinity (performed at the Royal Dubai Opera)

**Sports Teams (Representing School or Higher)**

- Fives Team (Competing at the National Level each year, along with Full School Colours)
- Football/Basketball/Hockey/Tennis (Competing for School)

2021 - 2025

2021 - 2025

**Interests/Skills/Languages**

- Secured a PADI Advanced Diver license Aug 2020
  - Theatre – performed in Romeo & Juliet, Shakespeare (House Play) Mar 2024
  - Fluent in English, Latin and Spanish. Beginner in Hindi and German
- Triathlon Fundraise**, during the Covid-19 pandemic Mar 2021
- Completed a 25km triathlon fundraiser to support the UAE’s leadership campaign to provide ‘10 million meals.’ Raised US\$10,000