

Samuel Forrest

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Customised Personal Statement

Education **St George's College, Weybridge (2021-Present)**
A levels Mathematics **B**, Computer Science **A***, Physics **A** (predicted)
EPQ "To what extent is it feasible to reintroduce commercial supersonic aviation by the year 2040?" **A***

GCSEs	English Literature	9	Computing	9	Mathematics	8	Latin	7
	English Language	9	Geography	9	Physics	9		
	Religious Studies	9	Chemistry	9	Biology	9		

Work Experience and Volunteering

Private Tutor **Oct 2024-Present**

- Delivering one-to-one tutoring to Computer Science students from diverse backgrounds, including those with special educational needs (SEND). Over 45 hours of lessons given to date.
- Developed strong communication, teaching, and time management, alongside empathy.

Freelance Developer **May 2025-Present**

- Designed and coded responsive websites for 3 paying clients, using TailwindCSS, React, Next.js, Supabase, Google Analytics, and integrating features such as authentication, admin dashboards, blogs and AI features.
- Communicated directly with clients to gather requirements and to provide progress updates throughout the development process, strengthening client communication, active listening, and problem-solving skills.

British Airways Work Experience **Jul-August 2025**

- Researched and presented a proposal for a new aircraft for the short-haul fleet to the fleet operations team, developing my analytical and presentation skills. (*work experience not yet complete*)

HUDJO App Development Work Experience **Aug-Nov 2024**

- Explored cross-platform mobile development by shadowing a startup developer at HUDJO, a bike-parking app, learning how cross-platform apps are built using JavaScript, TypeScript and the Expo framework.

Virgin Atlantic Aerospace Engineering Residential **Aug 2024**

- Gained exposure to aerospace engineering and led a 4-person team to design and present our glider to an audience of 100, winning the competition and demonstrating leadership and problem-solving skills.

Volunteering: St Michael's Fulwell Tech Team **2017-2023**

- Volunteered 2 hours every Sunday, managing the audio and visuals at church, developing technical skills in sound mixing & equipment, alongside critical thinking skills and remaining calm under pressure, over 6 years.

Key Achievements & Interests

- Honorary academic scholarship awarded for outstanding performance
- £300 online Hackathon winner, KTHack.
- Grade 7 Saxophone & Grade 5 Piano, Music half-colours award, Jazz Band & Concert Band member
- Silver & Bronze Duke of Edinburgh Award

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- Flight simulation enthusiast, an active member of VATSIM as a pilot and air traffic controller, developing strong multitasking, quick decision-making and stress management as I coordinate aircraft in the Swiss airspace.
- Yearly participation in the British Informatics Olympiad, Bebras and UK Maths Challenge

Technical Skills

JavaScript, TypeScript, Git/Github, TailwindCSS, NativewindCSS, React, Next.js, APIs, CI/CD, Supabase, Firebase, Databases, SQL, Google Cloud, SEO, Python, Microsoft Office, Notion, VScode
Claude/Gemini APIs, Analytical & Research Skills.

Interpersonal Skills

Communication, Time Management, Organisation, Presentation Skills, Analytical Thinking, Client Communication, Active Listening, Teamwork, Leadership, Critical Thinking, Multitasking, Teaching, Stress Management, Collaboration.

Other Interests

- Rowing & Fitness: dedicated 8 hours a week to rowing from 2021-2025
- Computer Hardware: built PCs for myself, friends and family from scratch
- Blogging: Computer Science, Aviation and AI blog hosted on my website samuelforrest.me/blog
- Listening to Podcasts: Diary of a CEO, Lightcone Podcast (Y-Combinator), Mentour Pilot
- Bike Rides: London to Brighton BHF (£500 raised), London to Paris (£500 raised), London to Bath, and Vienna to Budapest via Bratislava (Danube River).

References available upon request