

Samuel Forrest

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A highly motivated A level student with a strong academic record and vast coding portfolio seeking a degree apprenticeship in the software engineering sector.

Education St George's College, Weybridge (2021-Present)

A levels	Computer Science	A*	Mathematics	A	Physics	A	EPQ	A
NEA	Tradelingo: A realistic stock market simulator app for Gen Z.							
GCSEs	English Literature	9	Computing	9	Mathematics	8	Latin	7
	English Language	9	Geography	9	Physics	9		
	Religious Studies	9	Chemistry	9	Biology	9		

Experience & 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.
- Strengthened client communication and problem-solving skills.

British Airways Work Experience Jul-Aug 2025

- Researched and presented a proposal for a new aircraft type for the short-haul fleet to a member of the fleet operations team, developing my analytical and presentation skills.

Virtual Work Experiences & Courses Jun-Aug 2025

- Completed virtual work experiences, including a software engineering job simulation run by JPMorgan Chase, and with Datacom on Forage, as well as Springpods with Amazon /AWS, JLR, Siemens, Fujitsu and Ideagen.

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, 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

Academic Performance: Academic scholarship awarded for outstanding performance

Hackathons: Winner of KTHack25 Environmental Prize (£300)

Music: Grade 7 Saxophone & Grade 5 Piano, music half-colours award, Jazz Band & Concert Band member

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DofE: Silver & Bronze Duke of Edinburgh Award

Flight Simulation: An active member of the VATSIM network as a pilot and a trainee air traffic controller, developing strong multitasking, quick decision-making and stress management.

Challenges: Achieved Bronze in the UK Maths Challenge, Gold in Bebras and participated in the BIO.

Technical Skills

Developing proficiency in a broad range of technical skills, applied through personal and freelance projects:

Programming Languages: JavaScript, TypeScript, Python (A level), SQL, HTML, CSS

Frameworks: React.js, Next.js, React Native, Expo, TailwindCSS, Nativewind

Databases & Backend: Supabase (Postgres), Prisma (ORM), tRPC, Node.js

APIs: REST, Financial APIs (Polygon.io), AI APIs (OpenAI, Gemini, Anthropic)

Other: Git/Github, SEO, Google Analytics, Google Search Console, Google Cloud Run, Microsoft Office

Other Interests

Rowing & Fitness: dedicated 8 hours a week to rowing from 2021-2025

Bike Rides: London to Brighton BHF (£500 raised), London to Paris (£500 raised), London to Bath, and Vienna to Budapest via Bratislava (Danube River).

Blogging: Computer Science, aviation and AI blog hosted on my website samuelforrest.me/blog

Computer Hardware: built PCs for myself, friends and family from scratch

Listening to Podcasts: Diary of a CEO, Lightcone Podcast (Y-Combinator), Mentour Pilot

References available upon request