Samuel Forrest

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An **innovative** A level student with an extensive coding portfolio and excellent academic record, passionate about software engineering and keen to **contribute** my ideas in a **collaborative** team environment. I'm someone who deeply values curiosity and inclusiveness and am prepared to be challenged.

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

A levels Predicted	Computer Science	A*	Mathematics	A	Physics	A	EPQ	A*
NEA	Tradelingo: A realistic stock market simulator app for Gen Z, with live stock market data.							
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

Apprentadream CTO   Sept 2025-Present
- **Lead** developer & CTO for Apprentadream's web platform, driving the conversion of **3000+** community members into active online customers. I collaborate closely with the founder to deliver high-quality products.

Private Tutor   Oct 2024-Present
- Delivering over **45 hours** of one-to-one GCSE computing tutoring to a diverse range of students, helping them build confidence and improve grades, while developing my communication, organisation and teaching skills.

Freelance Developer   May 2025-Present
- Developing websites for **3 paying clients**, using Next.js and TailwindCSS, integrating CMS systems and AI features. Received **100% positive feedback,** demonstrating reliable project delivery and client relations.

British Airways Work Experience   Jul-Aug 2025
- Researched and presented a proposal for the acquisition of a new aircraft type to a member of the fleet strategy team, developing my analytical and presentation skills through my in-depth technical evaluation.

Virtual Work Experience Courses   Jun-Aug 2025
- Completed virtual work experiences to develop industry awareness and technical skills, through Springpod, with Barclays, Amazon, JLR, Siemens, Fujitsu, Ideagen and Airbus, in addition to Forage & AWS courses.

HUDJO Tech Startup Work Experience   Aug-Nov 2024
- Shadowed a startup developer at HUDJO, observing how cross-platform apps are engineered using the React Native framework, gaining exposure to agile practices and the end-to-end product development lifecycle.

Volunteering - St Michael's Fulwell Sound Engineer   2017-2023
- Volunteered **2 hours weekly** for over 6 years, managing audio, cameras and screens as part of a team, developing composure under pressure and mentoring new volunteers to maintain high technical standards.

Key Achievements & Interests

Academic Performance: Academic scholarship awarded for outstanding performance annually
Mentoring: I currently support two primary school children with their literacy every week.
Hackathons: Winner of KTHack25 Environmental Prize (£300), developing my pitching skills.
Music: Achieved Grade 7 Saxophone & Grade 4 Piano, half-colours music award, Jazz & Concert Band member

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DofE: Silver & Bronze Duke of Edinburgh Awards, improving my teamwork and collaborative skills.
Challenges: Achieved Gold in Bebras Computing, Silver in UK Mathematics & Bronze in Physics challenges.
Flight Simulation: A member of VATSIM as a pilot and trainee controller, developing real-time problem-solving, communication and multitasking skills.
BCS: Student member of the BCS, The Chartered Institute for IT
RAeS: Student member of the Royal Aeronautical Society **(optional, dependent on company)**
Chess: Participated in UK tournaments **(optional, dependent on company)**

Technical Skills

Programming Languages: JavaScript, TypeScript, Python, SQL, HTML, CSS
Frameworks: Next.js, React, React Native, Expo, TailwindCSS, Nativewind
Deployment & Tools: Git/GitHub, Vercel, Netlify, Cloudflare, Google Analytics
Backend: Supabase, PostgreSQL, Node.js, E2B, Inngest
APIs: REST, Financial APIs, OpenAI API, Anthropic API, Gemini API
Productivity: Notion, Microsoft Office, Google Workspace, 100WPM typing speed

Professional Development

AWS Developer Learning Plan: Currently completing this plan, covering containers, AWS Lambda and CI/CD.
LinkedIn Learning: Completed courses on effective communication, speeches and presentations.
NotJust.dev (YouTube): Built multiple mobile apps through project-based tutorials.
JavaScript Tutorial: Completed the full JavaScript.info tutorial.
Leetcode: Practising easy/medium-level questions consistently.

Other Interests

Rowing & Fitness: Dedicated 8 hours a week to rowing from 2021-2025 and winning regattas.
Fundraising Bike Rides: Raised £1000+ for charity rides, including London to Brighton and London to Paris.
Finance & Investing: Operating a demo trading account with a 20% one-year simulated return on investment.
Blogging: Writing about Software Development, Aviation and AI on Substack.
Computer Hardware: Built PCs for myself, friends and family from scratch.
Listening to Podcasts: Diary of a CEO, Lightcone Y-Combinator, Mentour Pilot.

Projects

Tradelingo: A stock market simulator, featuring real-time financial data and gamified lessons inspired by Duolingo to teach trading. Built with Next.js and PostgreSQL, it creates a realistic environment for beginners.
Sitro: An AI-powered landing page generator that creates websites in under 30 seconds. Built with E2B sandboxes, Next.js, Prisma, PostgreSQL, Inngest background jobs and OpenAI API. Inspiration from Lovable & v0.
Verda: Hackathon-prize-winning app (£300 at KTHack25), featuring an AI carbon footprint calculator and a machine-learning trash sorter. Built with Next.js, TailwindCSS and Supabase.

GitHub available at github.com/samuelforrest