Samuel Forrest
Teddington, Greater London, UK
Email: sam@samuelforrest.me
Website: samuelforrest.me

Personal Statement

A highly motivated and ambitious student with a strong passion for technology, aviation, and software development. Currently studying A Levels in Computer Science, Mathematics, and Physics, alongside an Extended Project Qualification (EPQ) exploring the future of supersonic air travel. Experienced in application development using React Native, Python, and databases, with a keen interest in problem-solving and innovation. Seeking opportunities to expand my skills in software engineering and aviation.

Education

Weybridge, Surrey, UK
A Level Student | 2023 – Present

- A Levels: Computer Science (OCR), Mathematics (Edexcel), Physics (AQA), and EPQ.

- Extended Project Qualification (EPQ): *To what extent is it feasible to reintroduce transatlantic supersonic passenger air travel by the year 2040?*

GCSEs | 2021 – 2023

- Achieved top grades, 9s in Physics, Chemistry, Biology, Computer Science, Geography, Religious Studies, English Language, and English Literature, an 8 in Mathematics, a 7 in Latin.

Skills & Expertise

- **Programming Languages & Technologies**: React Native, JavaScript, TypeScript, Python, SQL, HTML/CSS.

- **Software Development**: Mobile app development and version control (Git/GitHub).

- **Aviation Knowledge**: Strong understanding of the airline industry, from my extended project qualification.

- **Analytical & Problem-Solving Skills**: Logical thinking and mathematical proficiency in complex problem-solving, shown by participation in British Informatics Olympiad.

- **Public Speaking & Communication**: Confident in presenting ideas, and tutoring Computer Science students.

Work Experience

Private Tutor – Computer Science (October 2024 – Present)

- Tutoring an Edexcel IGCSE Computer Science student, providing structured lessons and study resources.

- Explaining complex programming concepts and exam techniques to improve student understanding.

App Development Shadowing - HUDJO

- Improved my react native application development skills with the team from the bike app startup company HUDJO.

3-Day Aerospace Engineering Course – Kingston University

- Attended a 3-day aerospace engineering course at Kingston University, hosted by Virgin Atlantic. Won the competition as part of team of 4. Improved my communication and teamworking skills, in addition to learning more about aerospace engineering.

Projects & Achievements

- **Academic Scholarship –** Awarded for academic excellence in 2022, also awarded for Sixth Form.

- **Stock Market Simulation App** – Developing an iOS/Android app for my Computer Science NEA, designed to make trading education more accessible for young people and beginners.

- **London to Brighton Off-Road Bike Ride (2024)** – Raised £500 for the British Heart Foundation.

- **Personal Website (samuelforrest.me)** – Built and maintained a professional website using GitHub Pages.

- **Duke of Edinburgh Award** – Completed both the bronze and silver awards, volunteering involved gardening and managing AV at churches.

- **Music –** Awarded Grade 7 Saxophone and Grade 4 Piano, actively participating in Jazz Band and Concert Band, helping younger musicians.

Certifications & Interests

- Microsoft Flight Simulator Enthusiast – Active on VATSIM as both a pilot and air traffic controller.

- Gym & Fitness – Competed in rowing races; committed to strength training and goal-oriented progress tracking.

- Blogging – Writing about Computer Science as part of my blog.

References

Available upon request.