

# SAMUEL FORREST

Teddington, Greater London, UK

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## PERSONAL STATEMENT

A highly motivated student with a keen interest in technology, aviation and engineering. Passionate about developing websites and applications. I am eager to gain practical experience in software engineering or aviation, where I can apply my problem-solving and coding skills. I am particularly interested in roles where I can contribute to innovative projects and learn new skills.

## SKILLS & ABILITIES

### Technical Skills

Experienced in programming languages and technologies, including HTML, CSS, TypeScript, React Native and Git/GitHub version control. I have a strong understanding of the airline industry, stemming from my research for my EPQ. ChatGPT, LLM and AI competence.

### Soft Skills

I have very strong problem-solving skills and demonstrated my problem solving and mathematical proficiency in participation of the British Informatics Olympiad and was awarded Bronze award in the senior UK Maths Challenge. Furthermore, I have developed strong communication & public speaking skills from my experience in tutoring and the aerospace camp respectively.

## EDUCATION

### ST GEORGE'S COLLEGE, WEYBRIDGE

#### A LEVEL STUDENT | 2024 - PRESENT

Studying A-Levels in Computer Science, Mathematics, Physics and an EPQ on the reintroduction of supersonic air transport.

#### GCSE STUDENT | 2021 - 2024

Achieved very high grades, including Grade 9s (A\*) in Physics, Chemistry, Biology, Computer Science, Geography, Religious Studies, English Language and English Literature. Grade 8 (A\*) in Mathematics. Grade 7 (A) in Latin Language & Literature.

## EXPERIENCE

### PRIVATE TUTOR – COMPUTER SCIENCE

OCTOBER 2024 – PRESENT

Tutoring GCSE Computer Science students, providing structured 1-hour lessons, study resources and homework. Taught over 25 hours of lessons.

### APP DEVELOPMENT SHADOWING – HUDJO

AUGUST 2024 – SEPTEMBER 2024

I improved my application development skills with the team from the bike app startup HUDJO, which recently received funding from Deliveroo to expand.

### 3-DAY AEROSPACE COURSE

AUGUST 2024 – SEPTEMBER 2024

Attended a 3-day aerospace course at Kingston University, hosted by Virgin Atlantic. Won the competition as a team of 4. I improved my communication, leadership and teamworking skills, in addition to learning a plethora about aerospace engineering. Furthermore, I shadowed Air Crash Investigators during the Easter Holidays.

### AIR ACCIDENT INVESTIGATION BRANCH (AAIB)

APRIL 2025

Visited the AAIB and connected with professionals including engineering inspectors and flight data extraction inspectors.

## ACHIEVEMENTS

- Academic scholarship awarded for academic excellence in 2022, also awarded for Sixth form.
- Duke of Edinburgh Award – Completed both Bronze & Silver awards; volunteering at a local church and rowing 4 times a week at SGCBC.
- Music – Awarded Grade 7 Saxophone and Grade 4 Piano, actively participating in Jazz Band and Concert Band, helping younger musicians and improving my teamwork and leadership skills. Awarded half colours for my commitment.

## INTERESTS

Flight simulation enthusiast, regularly participating in VATSIM events as both pilot and air traffic controller with vACC Switzerland. Enjoyed rowing for three years, earning medals in various races and dedicating 4 days a week to train. Recently launched a Computer Science Blog to explore AI and cybersecurity topics (see website).

## REFERENCES

Available upon request.