Favour St. John

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Education

University of Warwick	Mechanical Engineering	10/2020 - 07/2025

Current Grade 1st

Aldenham School	A-Levels	09/2018 - 07/2020

Mathematics (A) | Physics (A) | Economics (A)

Aldenham School	GCSEs	09/2012 - 07/2016

6A*s and 2A's including Further Maths, Mathematics, Physics and English Language

Work Experience

BMW Group | Mechanical Engineer Project Specialist　　　　　　　08/2022 - 08/2023
- Contributed to design and optimisation of mechanical systems, employing analytical skills to enhance efficiency and performance using **GAP** analysis.
- Praised by my department for introducing an **AI** system to help speed up production rates which saved £80,000 for that year.
- Ensured safety of personnel within the plant through the implementation of technologies from **Boston Dynamics**.
- Conducted **FMEA sessions** to resolve inefficiencies problems.

Alstom | Systems Engineer　　　　　　　02/2019 - 03/2019
- Oversaw projects and achieved common goals, like introducing a new human interface system.
- Participated in the development and maintenance of the organisation's computer systems.
- Worked on various software that gave me an insight into railway systems.
- Transferred customer needs into functional requirements for specific systems.

Santander | System Administrator　　　　　　　08/2018 - 09/2018
- Trusted to conduct routine system checks.
- Reasoned logically when solving customer queries related to their banking accounts.
- Presented meetings and ideas to regional managers on how they could deal with upcoming problems or improve consumer satisfaction.

Skills and Interests

- Soft skills: Problem solving | Critical Thinking | Leadership | Flexibility | Project Management
- Programming Languages: **MATLAB** (High) | **Latex** (High) | **Python** (High) | **C++** (Low) | **HTML** (Intermediate) | **CSS** (Intermediate) | **JavaScript** (Intermediate)
- CAD: **Fusion 360** (High) | **Autodesk** (Intermediate) | **Star CCM+** (Intermediate)
- Microsoft Office: **Word** (High) | **Excel** (High) | **PowerPoint** (High) | **Publisher** (High)
- Sports: Warwick Football Team (1st Team) | Charity Marathons
- Public Speaking: **Head Usher** at First Love Church | **Member** of F1 and Engineering Society
- Volunteering: **PHAB** (1 Week) | **Woodlands Primary School** (1 Month)

Awards and Achievements

- **UKMT Maths Challenge** – 2 Silver Awards
- Member of Le Philosophe
- Perfect Grade 1 in Effort, Attitude and Homework
- Successful development of Retro Snake Game (Self-taught)
- Courses: Software Engineering in Python (Code Academy) | Website building