

EDUCATION

Warwick University - Coventry, CV47AL | **September 2022 - May 2026**

Subject : Computer science - Bachelor of Science (BSc)

Pates Grammar School, Cheltenham GL51 0HG | **September 2019 to May 2021**

Subjects: Mathematics - **A***, Further Mathematics - **A***, Computer Science - **A***, Physics - **A**

WORK EXPERIENCE

Jaguar Land Rover - Degree Apprentice - 3rd September 2022 - May 2026

Starleaf - EDT Year in industry placement Test engineer and software developer - 7th June 2021 - 7th June 2022

- Developed new test plans and rewrote existing ones, to ensure a high standard in quality of software.
- Created a script using Python to automate the query of back-file data in conjunction with Google Network tools to bypass Dagster API.
- Developed scripts using Selenium to automate existing manual test plans in order to ensure efficiency and robustness when testing software
- In conjunction with the cloud R&D team, responsible for the configuration of the global beta cloud, such as coordinating the versions under test.

JP Morgan – Work experience in Technology Department - 3rd August – 7th August 2020

- Explored the different roles within JP Morgan (HR, finance, technology) and understood how the company operates.
- Alongside other members of the program I helped build software that was used to identify the countries of the best operative using Python.

Vodafone - Work experience in Technology Department - 21st October - 25th October 2019

- I researched into 'Networks of the future' and the use of biometrics and a centralised database in order to change the way identification is performed and presented my findings at the end of the program

LoanEasy Finance - Part Time Web Developer (20hrs) - July to December 2019

- Worked with the senior developers to manage and enhance the loan application module, ensuring that the code remains efficient and reusable.
 - I also got involved in liaising with 3rd parties for both server hosting and outsourced development.
 - Other responsibilities include implementing functionality upgrades on both front and back-end to improve system performance
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PROJECTS

Facial recognition artificial intelligence model - Python, Scikit-learn

Developed a supervised multi-feature linear regression model; measurements from different parts of the face were made as features.

Key Stage 4 revision website - PHP, Javascript, MySQL, HTML and CSS

Coded a dynamic website available on my sixth form server, researched and arranged information on graph theory with topics such as the stable marriage problem and the Gale- Shapley algorithm being highlighted .

Development of cryptocurrencies for the Future Medium article

Explored security procedures needed to secure the network such as using a collision-resistant SHA 5 family hash. Deciding on Elliptic Curve algorithm (ECDSA) to create a digital signature and looked into the proof of work and Merkle Tree.

KEY SKILLS/ CERTIFICATIONS

- IT skills - MS Excel, MS word, PHP, HTML, CSS, Javascript, Mysql, C++
- October 2022 - Bloomberg Market Concepts Certificate
- April 2020 – September 2020 - Completed the Stanford Artificial intelligence MIT course
- August 2019 - SCQF Level 5 cyber security certification - training program in cyber security