
Education

- University of Warwick, BSc Computer Science** **September 2021 – July 2024**
- Achieved First class with modules including Design of Information Structures, Web Development Technologies, Database Systems, Functional Programming, Web Development, Artificial Intelligence and Software Engineering.
- Dartford Grammar School, IB (International Baccalaureate) Diploma** **September 2019 – July 2021**
- Achieved 44/45 with subjects including Mathematics (7), Computer Science (7) and Physics (7) at higher level.
- Dartford Grammar School, GCSE** **September 2014 – August 2019**
- Achieved 99999999987.

Work Experience

- Technology Tutor at University of Warwick, Coventry** **October 2023 – July 2024**
- Organised a programme of lessons designed to teach programming activities to school pupils.
 - Enthusiastically tutored pupils to understand programming concepts in Scratch and Turtlestitch.
 - Identified pupils that required extra support and provided supplementary activities to provide additional examples of taught concepts. All pupils successfully completed the programming activities applying their skills and creativity.
- Backend Developer Intern at Octopus Energy, London** **June 2023 – September 2023**
- Extensively planned a **Django** project and created a proposal outlining the justification and components of the project.
 - Incrementally added features following the proposal, using unit and functional testing to validate new components.
 - Used Git version control to ensure our features were compatible with the existing codebase.
 - Proactively organised meetings with end users to get additional guidance and ensure that our project was helpful.
 - Presented my project to the CTO of Octopus Energy, responding perceptively to questions about implementation details.
- Warehouse Operative at Amazon, Dartford** **July 2022 – October 2022**
- Used problem-solving skills to efficiently categorize items, ensuring accuracy and speed in a fast-paced environment.
 - Leveraged systematic processes to optimize the stowing of orders, meeting performance targets with minimal errors.
 - Participated in cross-functional safety evaluations to maintain a safe and productive working environment.
- Sales Assistant at Footasylum, Dartford** **December 2021 – January 2022**
- Maintained high operational standards by ensuring compliance with protocols for loss prevention, health, and safety.
 - Developed strong interpersonal skills by quickly resolving customer concerns, enhancing customer satisfaction.
 - Collaborated with colleagues to optimize a customer-focused merchandising approach to improve product visibility.

Projects

- ACTIV, Mobile App** **October 2023 – May 2024**
- Developed a cross-platform **React Native** app using **TypeScript** and **Expo** for human activity recognition (HAR).
 - Integrated **TensorFlow** machine learning models via a **Flask** app to enable HAR functionality.
 - Designed automated tests, and organized user testing to ensure reliability and user satisfaction.
 - Used **Jira** to manage the development life cycle, demonstrating strong communication skills with stakeholders.
- CodeLux, Website** **January 2023 – May 2023**
- Coordinated project schedule, as scrum master, in an agile-based software project.
 - Ensured that each member was assigned to a suitable task for each sprint of development.
 - Facilitated communication within the team to discuss switching of responsibilities based on preferences.
 - Configured front-end access to API using **TypeScript** and unified UI components for consistency.
- Flashboard, Web Application** **September 2020 – March 2021**
- Developed a dashboard that replaces the new tab page, using **JavaScript**, displaying information from various APIs.
 - Took the application through the software development life cycle, from planning to evaluation.
 - Demonstrated strong communication skills when interacting with the client during each stage of development.
- UK Space Design Competition** **September 2019 – December 2019**
- Exhibited teamwork skills, as part of the technology department, while discussing requirements and features.
 - As technology department leader, held responsibility for forwarding my team's concerns to the other team leaders.
 - Collaborated with several students to create a cohesive presentation of our project.

Interests

- Regularly attend Computing Society events at university, such as programming challenges.
- Enjoy fitness and playing sports, including football and basketball.