Freddie Brewin

Field house

Chelford Road

Siddington

SK11 9LF

07979709573• [Freddiebrewin@live.com](mailto:Freddiebrewin@live.com)

Date of Birth 04/03/1998

Highly skilled and motivated front-end web developer with 2 years of experience seeking an opportunity to contribute to the success of a dynamic organization. Proficient in HTML, CSS, JavaScript, and responsive design principles, with a passion for creating engaging user experiences.

**Education**

**Cheadle Hulme School**

*(September 2011 – September 2016)*

* 3 A/AS levels including an A in maths and a B in Physics.
* 9 GCSEs, grade A-C, including an A\* in Maths and Physics.

**Newcastle University**

*(September 2017 – July 2019)*

* Bachelor's Degree in Mechanical Engineering

**Manchester University/Trilogy Bootcamp**

*(January 2021 – August 2021)*

* Full stack coding bootcamp learning MERN stack.
* Designed and developed a semi-autonomous remote control car using MATLAB.
* Utilized MATLAB programming to implement various algorithms for obstacle detection and avoidance.
* Integrated sensors and actuators into the remote control car system for real-time data acquisition and control.
* Implemented computer vision techniques in MATLAB to enable the car to detect and analyze different obstacles in its environment.
* Collaborated with a team of engineers to ensure the successful integration of hardware and software components.
* Conducted rigorous testing and debugging of the MATLAB code to ensure the reliability and accuracy of the car's autonomous navigation system.
* Participated in multiple obstacle course challenges to demonstrate the car's ability to maneuver and navigate through complex environments.
* Documented the project progress, methodologies, and outcomes in comprehensive reports and presentations.

**Skills**

* Proficient in HTML, CSS, Javascript (CommonJS and ES6), Typescript as well as python
* Experience with frontend frameworks such as React and Next.js
* Solid understanding of back-end technologies like Node.js, express, mongoDB
* Excellent problem-solving and debugging skills
* Experience with RESTful APIs and AJAX
* Strong attention to detail and ability to meet deadlines
* Strong understanding of responsive design principles and mobile-first development

**Experience**

**Knokcare - Porto, Portugal**

**Quality Assurance Engineer - Full Time**

*(October 2022 – Present)*

* Executed test plans, recorded results and maintained bug tracking system for software testing process.
* Collaborated closely with the frontend development team to understand project requirements and ensure quality in the frontend deliverables.
* Conducted comprehensive testing of frontend components, including user interfaces, responsiveness, and cross-browser compatibility.
* Developed and implemented a new automated test process, migrating the test automation process from Robot framework in Python to Playwright in JavaScript, which enhanced efficiency and accuracy of frontend testing.
* Utilized JavaScript and Playwright to write test scripts for frontend automation, allowing for repeated testing of critical functionalities and reducing manual efforts.
* Identified and reported frontend and backend issues, bugs, and inconsistencies, working closely with the development team to troubleshoot and resolve them effectively.
* Actively participated in sprint planning, daily stand-up meetings, and code reviews, providing valuable insights from a quality assurance perspective to improve the frontend development process.
* Collaborated with UX/UI designers and frontend developers to ensure that the user interface adhered to design specifications and delivered an optimal user experience.
* Worked closely with the development team to ensure continuous integration and delivery (CI/CD) practices were followed, guaranteeing the quality of frontend code throughout the development lifecycle.

**Arclight Studios - London, England**

**Junior Full stack web developer - Part Time**

*(January 2023 – Present)*

* Collaborate with a team to develop and maintain a responsive website using Next.js, Express, and AWS, ensuring optimal performance and user experience.
* Implement front-end designs and translate them into clean and efficient code, adhering to industry best practices and web standards.
* Conduct code reviews and provide constructive feedback to team members, promoting code quality and continuous improvement.
* Debug and test front-end components to identify and resolve bugs and issues, ensuring a smooth and error-free user interface.
* Work closely with designers and stakeholders to understand project requirements and deliver high-quality web solutions.
* Continuously explore and learn new technologies and frameworks to enhance development processes and stay up-to-date with industry trends.

**ZephrAi - Manchester, England**

**Full stack web developer - Part Time**

*(April 2023 – Present)*

* Contribute to the development of an innovative app that utilizes vector databases and leverages OpenAI to create a variety of powerful AI tools.
* Maintain a full stack application using MongoDB, Express, Node.js, and Next.js, ensuring its robustness, scalability, and security.
* Collaborate with a multidisciplinary team to implement features, enhance functionality, and optimize the app's performance.
* Implement efficient data storage and retrieval using MongoDB, enabling seamless integration of large datasets into the application.
* Conduct thorough testing and debugging to identify and address any bugs or issues in the application.
* Continuously explore and implement new technologies and frameworks to improve the app's capabilities and user satisfaction.