Kai Roberts

Grosvenor Way, Chapel Park, Newcastle upon Tyne, NE51SF
Email: kairoberts97@hotmail.co.uk

Portfolio: www.kairoberts.dev
GitHub: https://github.com/kairoberts

Hard working and self-motivated Computer Science graduate with a refusal to give up until the task at hand is complete to an excellent standard. I am always aiming to improve my skillset and pride myself on working hard to achieve what I want from life. I possess fundamentals in HTML, CSS, React, Bootstrap, Python Flask, Node, Git and database knowledge in MySQL and MongoDB.

Education
2017 – 2020   **BSc (Hons) Computer Science (2:1 – 68%), York St. John University**

- Dissertation title: An investigation into whether force sensitive resistors can improve the accuracy of landed punches within boxing (Grade 2:1).
- Relevant modules: Advanced Web Development, Software Engineering Practises, Programming, Networks and Databases.
- In depth understanding of HTML5 and CSS along with fundamentals in Python, JavaScript and PHP. Currently running a Flask server on cs2s.yorkdc.net:5021 showcasing my final year Advanced Web Development project. Server can be loaded upon request (Grade 2:1).
- Ability to effectively mock-up then implement Database design through phpMyAdmin and MySQL. (Grade 2:1)
- Effective team working shown through Human Computer Interaction (HCI) module, involving working in a team of two to produce an Association for Computing Machinery (ACM) research paper. Workload was handled via allocating tasks dependent upon strengths within the group, clear communication and strict time management (Grade 2:1).
- Enhanced research and analytical ability through the completion of Philosophies in Technology module, in which I created a research paper titled 'A study into social media and loneliness in University students' (Grade 1st).
- Core knowledge of programming in Java, achieving grades of 2:1 and 1St in these modules.

2009 – 2016   **Walbottle Campus, Newcastle Upon Tyne**

- **A Levels:** IT (Triple Distinction*) English Language (B)
- **GCSEs:** 1 B, 6 C's, 1 D (Including English – B, Maths and Science – C)

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Related Experience
Courses: **The Creative React and Redux Course – Dev Ed**
React Front to Back Course – Brad Traversy

- Deepened understanding into React fundamentals such as Components, props and state.
- Learning React Hooks such as useState, useEffect, useContext, useReducer and useRef.
- Working with API's using async and await with Axios or fetch to collect data and also building an API with JWT authentication.
- Gained an understanding of app level state management through Context API and Redux, using Reducers and Actions.
- Creating and deploying a Full Stack application using the CRUD method and the MERN stack (MongoDB, Express, React, Node).
- Improving my back-end knowledge by creating a Node server to connect to MongoDB.

May 2019 (Two Weeks)   **Web Developer – York St. John University**
York

- Strengthened understanding of Software Engineering practises shown through agile software development.
- Strong knowledge of UX Design, creating a methodological document for a client.
- Held 1 to 1 meetings with client to gain an understanding of the requirements for the website's aesthetic.
- Developed ability to work independently by remotely completing the project, whilst also knowing when to ask for advice from my supervisor regarding any issues encountered.
- Improved time management by working to a two-week deadline.

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Work Experience
Sept 2019 – Present   **Food delivery rider - Deliveroo**
                                                                                          York

- Strong work ethic and self-disciple shown through self-employment and having the ability to choose own working hours.
- Resilience to meet daily targets set by myself in order to make enough earnings to cover the rent for my student accommodation.
- Excellent communication skills used when customers are not happy with their orders, knowing the protocol to follow to resolve the issue.
- Competent at making delivery schedules on time.

Jan 2018 – Feb 2019   **Barista/Waiter/Bartender – Principal Hotel**
                                                                                          York

- Fully trained barista and also able to pour beers correctly.
- Worked under high pressure situations which involved a high degree of multitasking when the restaurant was at fully capacity.
- A trustworthy employee granted the responsibility of opening and closing the tills.
- Flexibility shown on several occasions when asked to stay later or start earlier to help out.
- Confident controlling the room alone on days when other employees did not show up through illness.
- Adaptability shown when asked by management to move onto the bar during busy periods.
- Excellent ability to memorise information, such as dinner and drinks menus, or room directions for guests.
- Aptitude to resolve problems guests may have regarding issues in the overall hotel and knowing which departments management to call for if something was out of my control.

Apr 2017 – Sep 2017   **Dry liner & Labourer – R.A.W**
                                                                            Newcastle upon Tyne

- Gained an understanding into how to effectively measure and cut plasterboards, ready to be sealed against the wall.
- Ability to listen and take instructions in order to complete the task given.
- Showed versatility by adapting to a new working environment without any previous experience in the field of construction.

Oct 2016 – Apr 2017   **Telemarketer – Utilita**
                                                                            Newcastle upon Tyne

- Learnt to build up rapport with customers over the telephone in order to achieve sales.
- Objection handling through deep product knowledge to reduce any potential loss of sales.
- Ability to actively listen to customers queries regarding the product in order to keep hang up percentages low.

May 2014 – Oct 2016   **Market Researcher – Populus Data Solutions**
                                                                            Newcastle upon Tyne

Nov 2013 – May 2014   **Waiter – Sodexo, St James Park**
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Achievements
- 100% school attendance from Year 8 until Year 11.
- Award of recognition from Principal Hotel for managing the room alone when employees were ill.
- Awarded a free Deliveroo kit worth £50 for being one of York's top riders.
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Interests
- Self-Education, Cyber Security, Boxing, Mixed Martial Arts, Cycling, Strength Training, Reading and Cooking.
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References
- Available upon request.