

**CV**  
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I am a Maths graduate with a diverse range of job experiences. I have completed comprehensive courses in React, Node, and Python which I am looking to use in conjunction with my degree to forge a stable career path which will allow a high level of engagement and opportunities for advancement. To further consolidate and expand my skill set I have completed multiple personal projects which are further outlined below.

The past few years have seen drastic shifts in my occupation, from courier work in Berlin after graduation, to building world leading ocean rowing boats, and now seeking a job in the coding world. Having personally invested in the aforementioned courses highlights my dedication to commit to the industry and my abilities of self-management.

My previous jobs have shown me what it means to create a truly high quality product and their diversity has given me a large amount of adaptability and a range of experiences to draw upon. The quick progression in my current role shows my natural aptitude for fast learning and a grafting ethos to work efficiently to the highest standard.

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### **Work & Training Experience**

As mentioned above, I have taken courses in React and Node, culminating in creating and deploying a [word association game](#) and [takeaway app](#). All the code is available on my [github page](#).

In addition, I have recently finished a course in React Native using Expo, am experienced in Python and Redux, and have a working knowledge of git. I am currently completing personal projects to further strengthen my ability.

Creating these websites has turned my theoretical knowledge into applicable skills, making me a quicker and more competent programmer as a result. The following skills are what I've learnt and are demonstrated in the above projects:

#### **React**

- An ability to create and deploy a React app, including linking it to my own backend.
- Configuring and using a Redux store with redux toolkit.
- Creating custom redux middleware with axios to make API requests using parameters and route parameters.
- Using Redux Persist to sustain data in the store.
- Testing Redux using Jest.
- Composing components, including passing props to and from both child and parent components.
- Site navigation using React Router DOM.
- Creating common components to be reused in many different contexts.
- Logging in and out a user and getting user data using JWT's.
- Form validation using Joi.
- Asynchronous code and conditional rendering.
- Using external and personally created modules.
- File management and clean coding practices.

#### **Node.js**

- Confidence using npm and the terminal
- An ability to create and deploy a node.js app using express.
- Using mongoose to maintain a database in the cloud (Mongodb).
- Using schemas to create models and validate request bodies
- Setting request statuses and sending error messages in the response.
- Hashing & salting passwords, using JWT's to verify users.
- Using custom and imported middleware.
- Storing secret variables in a config module using environment variables.
- Using Multer to store images in the database

#### **Rannoch Adventure Ltd.: Boat Technician: September 2017 - Present**

- In charge of fitting the boats out from a bare hull to being able to race across an ocean. These were elite ocean rowing boats built to an extremely high standard with an emphasis on balancing speed and safety. During my tenure I cut production time by 15% without compromising quality, by implementing an ordered standardised system.
- Head of the carbon and oar department, building high strength, low-weight oars, footplates, and seats from scratch. Through taking careful measurements of every component and exploring alternatives I reduced oar weight by 10% whilst keeping breakage rate below 0.5%.
- Regularly met clients, walking them through the build process and advising them on custom modifications. When a rower had a problem at sea I would talk to them by phone, explaining calmly and clearly how to best resolve the issue in such high pressure situations.
- Planning and hosting our inaugural and subsequent open days, concentrating on delivering an enjoyable and instructive event. We would entertain 200+ guests, answering any questions they might have about our boats and the rowing world, communicating technical concepts in layperson's terms, as for many of the guests this was their first exposure to ocean rowing.
- When I started at the company I was employed part-time to help with menial tasks around the workshop. Despite having no prior experience in the field, through my exemplary work ethic and attention to detail I worked my way up to become a full-time, integral part of the team.

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#### **Education**

- 2013 – 2016: Southampton University - BSC Hons Mathematics  
Graduated with 2.1 Upper Second Class Honours.
  - 2011 – 2013 – William De Ferrers Sixth Form  
A Levels: Mathematics (A), Further Mathematics (B), Physics (B).
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#### **Other Skills & Interests**

- Whilst living in Germany I developed a deep love for the German language, learning German to a conversational (B1) level, and I continue to maintain and improve upon what I know.
- Sailing: As a keen sailor I have competed for Great Britain on the international and national stage.
- Music: Accomplished Piano and saxophone player, playing in the Essex Youth Jazz Orchestra and multiple local bands including performing at local festivals.
- Reading: I am an avid reader with a passion for both fiction and non-fiction.