



# ROBERT HARBORD

FRONT END ENGINEER ☎ 07788200219

## ◦ DETAILS ◦

07788200219

[robertharbord@hotmail.com](mailto:robertharbord@hotmail.com)

## ◦ LINKS ◦

[Portfolio](#)

[LinkedIn](#)

[GitHub](#)

## ◦ SKILLS ◦

HTML / CSS / JS - 3 years

Python - 2 years

Git - 2 years

SQL 2 years

React - 1 year

## 👤 PROFILE

Meticulous web developer with 1 year professional front end experience. Main interests involve responsive reusable components, mobile first design principles and accessibility (A11Y) for all.

## 📁 EMPLOYMENT HISTORY

### Freelance

September 2021 — Present

Designed and built custom websites based on customer specifications, using HTML, CSS and JavaScript. Prepared wireframes for clients before development.

Performed basic SEO to help the website rank better and give clients insight through google analytics.

### Hockey Coach

September 2018 — Present

Structuring, designing and leading training sessions and weekly games.

Consistently promoted YoY, double promotion for league side.

## ★ PROJECTS (AVAILABLE IN GITHUB & PORTFOLIO)

### Train ticket chatbot

Created a personable customer service chatbot. It had to be able to carry a conversation and provide a customer with a ticket based on the information gathered in the conversation, recognising user intent and keywords such as station names, dates times etc.

Using the IBM Watson API, the bot directs the conversation using a dialog flow appropriate to the user's questions. Once all the relevant information is gathered, the bot performs a post request to a Python script hosted in IBM cloud functions which performs regex and simple data management before returning a ticket link for the customer to purchase. It performs this with high accuracy.

If I designed another chatbot I would reduce the necessity for yes / no questions to verify information as this would greatly improve the UX.

### Portfolio

My portfolio is built from the ground up using JavaScript, CSS3, and HTML5. I decided to develop without the use of frameworks or a CMS like WordPress to show that I can create a fully responsive website without having a CMS do all the heavy lifting for me. A solid understanding of how things work is a must for a developer. I used git for version control.

One to showcase most of my skills, populated with a further 7 projects, including a CRUD todo app and a canvas API snake game.

I was able to achieve straight 100's on my lighthouse audit and have adhered to A11Y (Accessibility) rules wherever I could, although there is still much more to learn in this regard.



### **Weather application**

Written in HTML, CSS and JavaScript and using OpenWeatherMaps API, I created an app that gets weather data for the next few days based on your current location, and the capabilities to get weather data for any city in the world for that moment in time.



### **EDUCATION**



#### **Computer Science, University of East Anglia**

September 2017 — June 2021

Computer Science Diploma - deferred during covid-19

Relevant modules:

Artificial Intelligence – 63%

Human computer interaction – 72%

Software engineering – 66%



### **REFERENCES**



Available on request