

Robert Harbord

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Github: github.com/Lens101

Portfolio:

lens101.github.io

Summary statement:

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.

Languages:

Domain skills:

3 years experience:
HTML, CSS, JavaScript, Python.

2 years experience:
Git, SQL, java.

Agile development

Software development lifecycle

Previous experience:

Freelance - September 2020 - 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.

Projects: (All viewable in portfolio)

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.

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.

Portfolio

One to showcase most of my skills, it contains all my projects. 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 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.

Education:

University of East Anglia – Computer Science Diploma

Relevant modules:

Artificial Intelligence – 63%

Human computer interaction – 72%

Software engineering – 66%

Additional skills / notable achievements:

5th year hockey coach – consistently promoted year on year – high ability to teach, empathise and articulate problems to find solutions. Motivated by the team over the individual.

Hockey captain at university, adventurer, and coffee aficionado.

References available on request.