Juan Scanlan [juanscanlan.github.io]

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Location: Southampton, UK. (Currently in Mexico, but will move back when necessary)
Nationality: British Citizen

SKILLS

Front End	Back End	Version Control	FrameWorks	Other
HTML5/CSS/SASS Javascript ES6 Typescript jQuery Bootstrap	Python Firebase PHP C	Git/GitHub	React.js Next.js	TensorFlow 2 Pandas/Numpy/Sklearn Photoshop Autodesk Inventor MATLAB

WORK EXPERIENCE

React.js: SPA watch website
[**GitHub Link** | **LiveSite**]   **Sep. 2021 - October 2021**   *Cozumel, Mexico*

- A fictitious E-commerce website for buying/selling watches online.

- Notable Features:
  - Login/Signup capabilities. You add watches you want to sell to a Firebase cloud database.
  - Dynamic shopping cart. Updates with 'Add to Cart' buttons. Conditional rendering for an empty cart.
  - Implements Alpha Vantage API to display stock prices of the largest publicly traded watch companies.
  - Implementation of React's useState, useReducer, useContext, useEffect hooks.
  - Sass BEM design architecture.
  - Mobile-friendly architecture.
  - Unit testing with Jest and React testing library.

Next.js: SPA for a Spa and Massage company
[**GitHub Link** | **LiveSite**]   **October 2021 - Present**   *Cozumel, Mexico*

- A single page application for a Spa and Massage company in Cozumel, Mexico. This is my first Next.js application.

- Notable Features:
  - Static Site Generation (SSG) with Next.js. The page is pre-rendered at compile time, so the user won't have to wait for the page to load at the browser; the page will simply be rendered.
  - Superior SEO to react.js; it is faster, better structured for crawlers and has a cleaner UX.
  - Sass BEM design architecture.

ScubaJuan.com
[**GitHub Link** | **LiveSite**]   **February 2021 – April 2021**   *Cozumel, Mexico*

- Constructed a fully functioning mobile-friendly website for a Diving Company. The website includes:
  - Product page with prices and descriptions.
  - PHP booking page with Email & social media booking.
  - TripAdvisor carousel (no API used).
  - Media gallery page with slideshow features.
  - FAQ page

- As the sole developer, I maintained strong communication with the business over the creation of the website. Multiple versions were presented, until the website became what the client envisioned.

- The online presence of the website boosted sales by around 20%, without the use of any paid marketing.

- The website makes it very easy to browse the available services and make a booking via email, WhatsApp or Messenger.

React.js: Hangman game
[GitHub Link | LiveSite]

August 2021
Cozumel, Mexico

- A small personal project to demonstrate my Javascript skills, using the ReactJS framework.

- Notable Features:
    - Sass BEM design architecture.
    - Generates a new random word when page reloads
    - Letter-buttons that are used as a guess are then disabled.
    - Dynamically display how many attempts are left.
    - Conditional rendering when you win or lose.
    - Clean and simple design.

AlbatrossParasail.com
[GitHub Link | LiveSite]

November 2020 – January 2021
Cozumel, Mexico

- My first website. Client wanted a simple landing page for potential customers.

- Notable features:
    - Simple landing page.
    - PHP booking page.
    - Small media gallery with slideshow features.

- The aim was for simplicity and ease of access to all the information they required prior to booking a Parasailing service.

EDUCATION

University of Bristol
BEng Mechanical Engineering

Graduation June, 2020
Bristol, United Kingdom

- Graduated with Honors, 2nd Class Division 1.

- Dissertation in Fluid Mechanics. Creating algorithms and mechanisms to produce 2-dimensional monochromatic waves in a stratified tank.

Jonas Schmedtmann's: Advanced CSS and Sass
Most popular course on website design

July 2021 - August 2021

- Flexbox, CSS Grid, Animations, and more...

FreeCodeCamp.com
Codecamp for Web Development

May 2021 - July 2021

- Responsive Web Design. Javascript Algorithms and Data Structures. Front End Development Libraries.

DeepLearning.ai
Fundamentals of Machine Learning for Deep Neural Networks

September 2020 - November 2020

- 5 specialization courses: Neural Networks and Deep Learning. Improving Deep Learning Networks. Structuring Machine Learning Projects. Convolutional Neural Networks. Sequence Models

Harvard's Online CS50x Course
Introduction to Computer Science

Summer 2020

- Learned the basics of Data Structures, Algorithms, SQL, Python, C, Web Development.

INTERESTS

Machine Learning with TensorFlow 2 (checkout current projects at juanscanlan.github.io); Scuba Diving Instruction; Playing Guitar; Powerlifting; Photoshop; Cooking; Chess.