Sonia Hiltner

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Education

- Degree in Economics from the University of Santiago de Compostela in 1997.
- Master in European Studies in UCLouvain(Belgium) in 1998
- IT Suport Specialist at Coursera-2021

FreeCodeCamp Curriculum:
- Responsive Web Design
- JavaScript Algorithms and Data Structures
- Front End Developments Libraries
- Data Visualization
- Relational Database
- Back End Development and APIs
- Quality Assurance
- Scientific Computing with Python
- Data Analysis with Python
- Information Security

Work Experience

- Market Research Consultant-London (2001-2006)
- Gardener(2006-2010)
- Social Assistant (2010-2020)

Skills

My Personal Projects

Photo Editor Application
Application to edit photos.
Project created with React js on the frontend and Node js and Express js on the backend, using the Multer library for uploading files to the server and the Sharp library for image processing.,

My Personal Library Application
Application for a personal library.
Fulllstack application made with Nodejs, Mongoose and Express.

Photo album Application
This is a photo album application where you can upload your images, organize them into albums and save them in the cloud.
Fulllstack application made with React, Nodejs, Mongoose and Express.

Sequence Memory Game
Memory game that consists of repeating a sequence of numbers, with different levels of difficulty.
Project made with React and Bootstrap

Books Shop Application
E-commerce application for a bookstore
Project made with React, Nodejs, Mongoose and Express.

Quick Notes Application
Notes and Todos Application with authentication.
Application made with React, Node.js, Mongoose, Express, and JsonWebToken for authentication.

Food Planner Application
Application with multiple cooking recipes that allows you to plan menus and make a shopping list of the necessary ingredients with the possibility of adding your own ingredients.
Application developed with React js and consuming the TheMealDB API.

My FreeCodeCamp Projects

Responsive Web Design Certificate
As part of this certification, I built the following projects:
A **Survey Form**, a **Tribute Page**, a **Technical Documentation Page**, a **Product Landing Page** and a **Personal Portfolio Page** while learning HTML and CSS and how to make responsives webpages.

JavaScript Algorithms and Data Structures
As part of this certification, I built the following projects:
A **Palindrome Checker**, a **Roman Numeral Converter**, a **Caesars Cipher**, a **Telephone Number Validator** and a **Cash Register** while learning Javascript.

Front End Development Libraries
As part of this certification, I built the following projects:
A **Random Quote Machine**, a **Markdown Preview**, a **Drum Machine**, a **JavaScript Calculator** and a **25 + 5 Clock** while learning **Bootstrap**, to design responsive web pages and applications, **Sass**, to extend the features of CSS and **React** and **Redux**, to create powerful Single Page Applications .

Data Visualization
As part of this certification, I built the following projects:
A **Bar Chart**, a **Scatterplot Graph**, a **Choropleth Map**, a **Heat Map** and a **Treemap Diagram** while learning **D3.js**, to create dynamic and interactive data visualizations in the browser.

Relational Database
As part of this certification, I built the following projects:
A **Celestial Bodies Database**, a **World Cup Database**, a **Salon Appointment Scheduler**, a **Periodic Table Database** and a **Number Guessing Game** while learning how to create and use a relational database with PostgreSQL, a database management system, and SQL, the language of these databases.

Back End Development and APIs
As part of this certification, I built the following projects:
A **Timestamp Microservice**, a **Request Header Parser Microservice**, a **URL Shortener Microservice**, a **Exercise Tracker** and a **File Metadata Microservice** while learning how to write back end applications with Node.js and npm, and how to build web applications with the Express Framework, MongoDB and the Mongoose Library.

Quality Assurance
As part of this certification, I built the following projects:
A **Metric-Imperial Converter**, a **Issue Tracker**, a **Personal Library**, a **Sudoku Solver** and a **American British Translator** while learning how to write tests with **Chai**, advanced **Node** and **Express** concepts, how to use template engines as **Pug**, **Passport** for authentication, and **Socket.io** for real-time communication between the server and connected clients.

Scientific Computing with Python
As part of this certification, I built the following projects:
A **Arithmetic Formatter**, a **Time Calculator**, a **Budget App**, a **Polygon Area Calculator** and a **Probability Calculator** while learning Python.

Data Analysis with Python
As part of this certification, I built the following projects:
A **Mean-Variance-Standard Deviation Calculator**, a **Demographic Data Analyzer**, a **Medical Data Visualizer**, a **Page View Time Series Visualizer** and a **Sea Level Predictor** while learning Data Analysis with Python.

Information Security
As part of this certification, I built the following projects:
A **Stock Price Checker**, a **Anonymous Message Board**, a **Port Scanner**, a **SHA-1 Password Cracker** and a **Secure Real Time Multiplayer Game** while learning the fundamentals of protecting people's information online.