








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

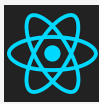
FREECODECAMP CURRICULUM:

- 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

My Personal Library Application

Application for a personal library.
Fullstack 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.
Fullstack 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.

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.