

Manuel Segimón Plana

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Education

Boston University College of Engineering Boston, MA | Expected May 2024

- Bachelor of Science in Computer Engineering, with concentration in Technical Innovation
- GPA: 3.61
- Dean's List Fall 2021 (Semester GPA: 3.75)

International College Spain (International Bachelorette) Madrid, Spain | 2014 – 2020

Experience

Teaching Assistant | Boston University College of Engineering Boston, MA | January 2022 – Present

- Introduction to Software Engineering (ENG EC 327)
- In charge of a Lab Section with a Lecture and Office Hours

Junior Programmer | Constellation Consulting SL Madrid, Spain | March – July 2020

- Developed a python program to analyze recordings for call centers to check if employees were following script
- Managed task criteria and deadlines
- Conducted research on Transcription APIs. Organized and sorted output from AWS Transcribe API
- Created and trained a bot through IBMs Watson API to analyze a sentence and returned the part of the script the sentence was from

Data Analytics Intern | The Cocktail Madrid, Spain | June 2017

- Analyzed users' purchasing habits based on marketing data from clients
- Researched and developed predictions in R based on analysis of data

Independent Strategic Consultant | FinanceMarket.es Madrid, Spain | December 2020 – August 2021

- User experience design consulting
- API research and testing

Skills

- C, CSS, HTML, Java, Python, MATLAB, JavaScript, C++, PHP, Arduino
- Data Analysis, SQL, AWS, IBM Watson API
- Bilingual in English and Spanish

Projects

Robotic Bartender (Personal Project)

- Built a robot capable of producing specific drinks
- Programed and controlled with Arduino
- Designed components in Fusion 360

Robotic Hand

- Built and designed a robotic hand capable of picking up objects
- Modeled components in Fusion 360
- Programed closing motion activation with Arduino based off electromyography sensor reading

ZeroSimple (Personal Project)

- Created website zerosimple.net
- Designed front end with HTML and CSS
- Programed back end with JavaScript, php, and SQL

Chat Bot (Personal Project)

- Developed an AI chat bot that learns how to have conversations
- Programed in JavaScript, php, and SQL

Current Projects: Plagiarism Checker, Bad USB (Rubber Ducky), Question Checker

Additional Projects: Multiplayer Tic-tac-toe, Minimax Tic-tac-toe, Social Forum, misc. web-based projects

Leadership and Service

Organizer and Instructor of Arduino and Electronics Class (Olvidados ONG)

Volunteering in Tanzania Teaching Sustainable Farming