

ALEX ARAIZA

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Software developer with a passion for new technologies. Focused on web development and interested in data science, artificial intelligence and machine learning.

EDUCATION

Bachelor's degree in Industrial Technology Engineering

October 2020

Universitat Politècnica de Catalunya · BarcelonaTech (UPC)

- **Bachelor's thesis:** Over-the-air FPGA programming using Arduino
- **Elective coursework:** Artificial intelligence applied to engineering

Erasmus+ student mobility for studies

April – September 2019

RWTH Aachen University

PROJECTS

PRICE TRACKER | Flask, HTML, SCSS, JavaScript

- Built a web app to track the price of online items
- Implemented user authentication, hourly price checking and user notifications

INFECTION SIMULATOR | HTML, SCSS, JavaScript

- Built a web app to simulate the spread of an infectious disease
- Implemented interactive functionality to simulate different diseases and social circumstances

FIPSY FPGA PROGRAMMER | HTML, CSS, JavaScript, AJAX

- Built a browser-based tool to program an FPGA via Wi-Fi
- Implemented client-side file validation and server-side file storage

TECHNICAL SKILLS

Languages

Python, JavaScript, C++, SQL, HTML, CSS, SCSS

Frameworks and libraries

Flask, Express.js, pandas, SciPy, TensorFlow

Operating systems

Linux, Unix, Windows

Other tools

Git, GitHub, Node.js, PostgreSQL, Heroku, AJAX