

# ALEX ARAIZA

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[alexaraiza.github.io](https://alexaraiza.github.io) | [github.com/alexaraiza](https://github.com/alexaraiza) | [in/alexaraiza](https://in/alexaraiza)

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

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## EDUCATION

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### 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

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## PROJECTS

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### 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

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## TECHNICAL SKILLS

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#### Languages

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

#### Frameworks and libraries

Flask, Express, React, SciPy, TensorFlow

#### Operating systems

Linux, Unix, Windows

#### Other tools

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