

# JUAN COBO CELDRÁN

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## EDUCATION

### Carlos III University

Madrid, Spain

Bachelor's in Computer Engineering

2020-2024

- Bilingual Program: University program completed in a bilingual environment, with classes taught in both Spanish and English.
- Erasmus Program: Participation in the Erasmus exchange program at Warsaw University of Technology.

### IES Gran Capitán

Madrid, Spain

Bachillerato in Science

2018-2020

### Coosa High School

Gadsden, AL, United States

Exchange Program

2017-2018

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## TECHNICAL SKILLS

**Advanced Python skills:** throughout my studies, I have undertaken numerous projects using Python, gaining extensive experience in the language across various domains.

**Artificial Intelligence:** I have a solid understanding of machine learning, deep learning, and expert systems principles, with practical experience in a wide range of projects.

**Data Science:** Practical experience in cleaning, visualizing, and analyzing data using tools such as Python and Excel.

**Databases:** Practical experience with both relational and non-relational databases, their implementation, and optimization in SQL and MongoDB.

**Front-end Development:** Competent in front-end development technologies, possessing a strong foundation in HTML, CSS, and JavaScript.

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## RELEVANT PROJECTS

**COVID-19 Case Prediction:** I developed and trained a neural network using data from The Humanitarian Data Exchange's Novel Coronavirus Cases Data with the goal of predicting and analyzing patterns in the evolution of cases.

**Review Prediction with Natural Language Processing (NLP):** Text mining and prediction project using hotel reviews. I implemented natural language processing techniques and predictive modeling to anticipate user ratings.

**Vehicle Recommendations for a Target Market:** Implementation of an expert system with fuzzy logic techniques for recommending vehicles based on the needs of a predefined target audience.

**Solar Panel Optimization:** Optimization of solar panel performance through the implementation of weather prediction models by analyzing climate data with advanced machine learning techniques.

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## LANGUAGES

**Spanish:** native speaker.

**English:** C1 Advanced.