

Alejo González García



Student in the **penultimate year** of the **1st promotion** of my degree. Technology enthusiast, passionate about **cars** and **motorsport**. Strategy lover, methodical, with **high capacity to work** under pressure and responsibility. Good **communication skills**, great **desire to learn**, work as a **team** and develop in the professional world.

EDUCATION

DUAL BACHELOR IN DATA SCIENCE AND ENGINEERING AND TELECOMMUNICATIONS ENGINEERING | UC3M

2020 - 2025

- **First promotion** of the degree, completely **new** and in **English**.
- University Carlos III of Madrid ([Bachelor link](#)).
- **Machine Learning**, **Artificial Intelligence**, programming in different languages and environments, digital business models, **cybersecurity** for data and **telecommunications**, as well as **cloud solutions** for computing and storage, among others.
- Broad overview of applications in the field of **data analysis and secure storage**.
- Understanding of the different **networks layers** and **communication channels**.

SANTA MARÍA DE LA HISPANIDAD SCHOOL

- Honors in Baccalaureate (9.88)
- Excellence Scholarship for Excellent Academic Achievement - 2020

PROJECTS

MACHINE LEARNING | DATA SCIENCE & ENGINEERING

→ Data Visualization, EDA, Naive Bayes, Random Forest, Gradient Boosting, Ensembled Learning, Outliers Dealing, Bayesian Analysis

- **Bayesian** analysis of a **Formula1** pit-stop time depending on the circuit. ([link](#))
- **Clustering** of vehicles in the United States according to their consumption. ([link](#))
- Agent with **reinforced learning** to play Pacman. ([link](#))
- Analysis of social differences in the sinking of the Titanic through **data classification**. ([link](#))

ROBOTICS / COMMUNICATIONS | TELECOMMUNICATIONS ENGINEERING

- C, Electronics, Microcontrollers, Advanced Programming (C/CubeIDE), GPIOx
- Creation of **autonomous robot** (programmed at PIN level) capable of moving independently avoiding obstacles and varying its speed while being controlled remotely. ([link](#))
- Implementation of a **path search algorithm** based on a **multi-bit tree** ([link](#))

INTERESTS

Motorsport • Formula 1 • Strategy • Hardware & Computers • Science and Data Exploration • Crypto • Business & Investments

SKILLS

PROGRAMMING

Python • C • Java • R • SQL • NoSQL • Pyomo • HTML5 • Bash • JS • Scikit-learn

TOOLS & PLATFORMS

Flask • CubeIDE • Rstudio • Jupyter • Git • Linux • MariaDB • Neo4J

EXPERIENCE

PARTICULAR PROFESSOR 2018 – Present

- Teaching Scientific Bachelor for more than 5 years
- Calculus I and Calculus II Classes
- EVAU preparer
- Physics, Chemistry and Mathematics Classes

DEGREE DELEGATE 2021 – Present

- Delegate for 2 years participating in the Council to guarantee good coordination between teachers and students.

WORKS IN CONSTRUCTION

- Carpentry, electricity, painting and bricklaying services.

CERTIFICATIONS

IMMUNE DIGITAL EXPERIENCE 2022

1. Big Data
2. Practical applications of Data Science

LANGUAGES

SPANISH
ENGLISH

Native
Bilingual

ADDITIONAL INFORMATION

- **Exchange experience** in the United Kingdom (2017-2019)
- B1 Driving License
- Availability of own car