DAVID ÁLVAREZ ROSA

Estudiante de Matemáticas e Ingeniería Industrial

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 C/ Agrupación Olaz nº 16, Bajo
Octubre 10, 1998

Olaz, Navarra

EDUCACIÓN

Grado en Matemáticas

240 ECTS

P Barcelona, Cataluña

• Cursando 4º curso actualmente.

Robusta base teórica matemática y sólidos conocimientos en sus aplicaciones (algoritmos, computación).

Grado en Ingeniería en Tecnologías Industriales Universidad Politécnica de Cataluña - ETSEIB

240 ECTS

Oniversidad Pontechica de Catan

Septiembre 2016 - Presente

♥ Barcelona, Cataluña

• Cursando 4º curso actualmente.

Visión multidisciplinar e integradora de las ingenierías industriales. Adquiridos conocimientos y habilidades imprescindibles para el desarrollo tecnológico futuro.

Scientific and Technological Baccalaureate Irabia-Izaga school

2 years

Septiembre 2014 - June 2016

♥ Burlada, Navarra

• Final grade: 9,47/10.

• University access exam grade (Selectividad): 12,76/14.

Compulsory Secondary Education

4 years

Irabia-Izaga school

Septiembre 2010 - June 2014

P Burlada, Navarra

COURSES

Game theory

20 hours

Universidad Politécnica de Cataluña - CFIS

♥ Barcelona, Cataluña

Game theory is the study of mathematical models of strategic interaction among rational decision-makers. It has applications in fields such as economics, logic and computer science.

Introduction to Machine Learning & Deep Learning 20 hours Universidad Politécnica de Cataluña - CFIS

Parcelona, Cataluña

- Basic principles of machine learning and classical methods.
- Introduction to deep learning from both an algorithmic and computational point of view.
- Study of its applications to reinforced learning and the analysis of multimedia content.

INSPIRATION

"The science of today is the technology of tomorrow."

SKILLS

Accustomed to working in a team, motivated and detailed in projects.

Programming languages.

Solid knowledge of:

C++ Python Octave/Matlab

Notions of: AMPL Bash

Experience in web development:

HTML CSS JavaScript PHP
Others: Linux Git LATEX

LANGUAGES

Spanish

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Mother tongue.

English

C1 level accreditation in August 2017.

Catalan

the levelence

Very good understanding of the language. Basic level in oral and written expression.

AWARDS

lacksquare

Spanish Mathematical Olympiad

☐ January 2016 Pamplona, Navarre Second position in the local phase.

Spanish Physics Olympiad

Spanish Physics Olympiad

April 2016

♀ Seville, Andalusia

Silver medal in the national phase.

PROJECTS

Driverless - Motorsport

20 hours/week

Universidad Politécnica de Cataluña - ETSEIB

Septiembre 2019 - Presente

I'm part of the Perception section of Driverless UPC team, which is a team formed by undergraduate engineers in charge of the designing, manufacturing and testing of a fully autonomous car that will participate in national and international competitions between universities.

Robotic Arm - Tic-tac-toe

75 hours

Universidad Politécnica de Cataluña - ETSEIB

January 2019 - June 2019

Creation of a virtual animation of a robotic arm intelligently playing the game of Tic-tac-toe.

Email server

15 hours

Personal project

August 2018 - Septiembre 2018

- Configuration of a modern and secure personal email server based on free software (Postfix and Dovecot).
- Supports opportunistic TLS and IMAP access.

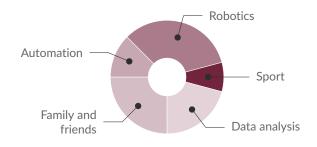
Study Schedule

60 hours

Polytechnic University of Cataluña - ETSEIB

Creation of a customized study schedule generator adapted to students, through data analysis.

INTERESTS



OTHERS



Former violinist

I played the violin during in the conservatory in the first courses.



Tutor

Academic classes of support and preparation for the Mathematical Olympiad.



Linux user

Years of use of Linux distributions (Arch, Debian y Ubuntu).



System Administrator

Administrator of personal Virtual Private Server: data synchronization between devices, web, email, personal Git server.



Athlete

Regular sportsman, runner y extriathlete.



Driving license