

ORIOL RICART VILARRUBIAS

CFIS Student

📅 22/3/1998

✉ oriolrv689@gmail.com

☎ +34 678226608

📍 08014, Barcelona, Spain

🌐 <https://www.linkedin.com/in/oriol-ricart/>



EDUCATION

CFIS - Centre de Formació Interdisciplinària Superior

UPC

GPA: 7.66/10

📅 Set. 2017 – Ongoing

📍 UPC, Barcelona

- Allows the execution of both careers simultaneously.

Physics Engineering Degree

ETSETB, UPC

GPA: 7.97/10

📅 Set. 2016 – Ongoing

📍 UPC, Barcelona

- Physics degree with some telecommunications view for Signal processing subjects.
- Some featured subjects that I liked the most:
 - Numerical and Computational Methods (1 & 2): using Matlab
 - Statistical Physics
 - Mechanics (with introduction to Special Relativity)
 - Quantum Mechanics
 - Control Theory
 - General Relativity (ongoing)
 - Physics of Fluids (ongoing)

Data Science Engineering Degree

FIB, UPC

GPA: 7.45/10

📅 Set. 2017 – Ongoing

📍 UPC, Barcelona

- Joined the first promotion of this recently created degree to cover the growing data-science market.
- Some featured subjects that I liked the most:
 - Probability and Statistics (1 & 2)
 - Mathematical Optimization
 - Machine Learning (1 & 2)
 - Information Retrieval and Analysis
 - Image Processing and Machine Vision

Technological Baccalaureate

Ins. Molí de la Vila

GPA: 9.41/10

📅 Set 2014 – Jun 2016

📍 Capellades, Barcelona, Spain

ACADEMIC EXPERIENCE

Final degree Thesis

University of Texas at Austin

📅 September 2021 – Ongoing

📍 Austin, USA

- Collaboration with Prof. Shoemaker and Prof. Laguna exploring the different paths that a collision between two Black Holes may take depending on the initial configuration.
- Worked with their group of PhD's and Postdoc's to create a final thesis.

PERSONAL PROFILE

I'm a person interested in discovering and finding solutions to problems that can arise. Eager to have a positive impact on the society we live in and committed to create a fairer world.

PROGRAMMING LANGUAGES

C++ Advanced

Matlab Advanced

R Advanced

SQL Intermediate

Python Advanced
Pandas, Numpy, TensorFlow, Pytorch

LANGUAGES

English B2

Catalan Native

Spanish Native

COMPETITIONS ATTENDED

BCG Gamma Datathon

📅 Nov 2018

Hash Code 2020

📅 Feb 2020

- Taken some graduate classes to deepen knowledge: Relativity Theory I, Relativity Theory II & String Theory.

Astrophysics Research

CBL, UPC

📅 August 2018

📍 Castelldefels, Spain

- Collaboration with Prof. Santiago Torres in studying the population of white dwarf stars in the near vicinity of Earth to account for discrepancies between experimental and theoretical Hertzsprung-Russell models of their population.

WORK EXPERIENCE

Internship at Amalfi Analytics

Amalfi

📅 July 2020

📍 Barcelona, Spain

- Implementation of a Human Disease Network with data from entrances in Hospitals. This tool is intended for medics to be able to gain insights and valuable information.
- Working from back-end to front-end, treating the data and directly preparing the final graph.

Private Tutoring

📅 2014 – 2020

📍 Igualada and Barcelona, Spain

- Helping to understand maths, physics and chemistry to different students that coursed Baccalaureate or University.

Sports and Leisure Animator

📅 September 2017 – July 2018

📍 Igualada, Spain

- Working and being responsible of groups of children both in sports as a trainer and in a scouts' group.

AWARDS AND SCHOLARSHIPS

CFIS Double-Bachelor Scholarship

UPC

📅 Sep 2017 – Ongoing

- Scholarship from CFIS that allows students to complete two full bachelors in engineering.

XXVII Spanish Physics Olympiad

📅 2016

📍 Sevilla, Spain

- Classification from the Catalan Physics Olympiad and participation in the Spanish Physics Olympiad.