Antoni Latorre Cañabate

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Languages: Catalan (*native*), Spanish (*native*), English (*C1*), French (*B2*), German (*A2.1*)
Technologies: Python (NumPy, OpenCV), FORTRAN, C++, Julia, Excel VBA, SQL, scientific computing and visualization, image processing

Education

Master of Science | *Computational Science and Engineering (GPA: 1.5)* — Started Oct. 2021
Technical University of Munich — Munich, Germany

Bachelor of Science | *Physics – Major in Fundamental Physics (8.3/10)* — Sep. 2016 – Jun. 2020
Universitat de Barcelona — Barcelona, Spain

Work Experience

Analyst — Dec. 2020 – June 2021
Bluecap Management Consulting — Barcelona, Spain
- European Banking Authority credit risk stress testing for a top 4 Spanish bank.
- Improved existing Excel VBA and SAS procedures to summarize and troubleshoot data from various sources.
- Coordination to prepare reports for client delivery.

Curricular internship — Sep. 2019 – Jan. 2020
Institute of Cosmos Sciences – University of Barcelona (ICCUB) — Barcelona, Spain
- Analyzed data of 100.000+ objects in several astronomical catalogs.
- Developed a Python algorithm to cross-match Gaia satellite observations and catalog references.

Summer Fellow — June 2019 – Sep. 2019
ICFO – The Institute of Photonic Sciences — Castelldefels, Spain
- Computational study of 2D materials using Python in the *Quantum Nano-Optoelectronics* group led by Dr. Frank Koppens.
- *Bachelor thesis*: Classical model of a crystal of interacting electrons.

Other experience

NanoGUNE Winter School — February 2020
Attended lectures on nanoscience and soft skills workshops. — San Sebastián, Spain

Institue of Space Sciences — June – July 2017
One-week internship awarded for the Extraordinary Baccalaureate award. — Cerdanyola del Vallès, Spain

Community of Ariane Cities — 2014 – 2015
One-week, space-related seminars in Lampoldshausen (Germany), Toulouse (France) and Terrassa (Spain).

Honors and Awards

ICFO Summer Fellowship — June – Sep. 2019
Fundació Catalunya – La Pedrera · Ignacio Cirac Program Chair at ICFO.

Extraordinary Baccalaureate Award — Oct. 2016
Awarded to 55 out of more than 32.000 students participating in the University Entrance Exams.

University Entrance Exams distinction — July 2016
Recognition to students with grades above 9.0/10 on the university entrance exams.

Activities

Language groups — 2018 – 2019
Participated in French (speaking) and German (self-learning) language groups in university. — Barcelona, Spain

High-school project — June – Oct. 2015
DIY high-altitude balloon payload with radio communication using Arduino. — Terrassa, Spain

Paper Air Challenge — March – May 2015
Creation and design of a plane prototype using only paper and cardboard. — Terrassa, Spain

Exchange student — June – July 2014
Outbound exchange. — Guelph, Canada