

Alex Martorell

Personal Information

Alex Martorell Lo Cascio

US Address: 1132 Round Pebble Lane, Reston VA 20194

US Phone number: +1 571-570-8915

E-mail: alexmartorell1@hotmail.com

Education

High School diploma, Institució Cultural del CIC, 2014-2016. Academic recognition "Distinció PAU"

B.S. in Mathematics, University of Barcelona, 2016-2021

MSc in Data Science, Polytechnic University of Catalonia, 2021-2023

Languages

English, Catalan, and Spanish (Native speaker). French and Italian (Intermediate level)

Work experience

2022-2023: Data Science Intern at Transports Metropolitans de Barcelona

Transports Metropolitans de Barcelona is the metropolitan transportation authority in the city of Barcelona. It has 8000+ employees and serves over 2 million commuters daily.

Paid internship. Responsibilities include:

- *Experience with large datasets from different DB origins, writing SQL queries to extract data.*
- *Statistical Analysis and Machine Learning tasks using R and Python.*
- *Data Analysis using visualization tools such as PowerBI.*

Projects developed:

- *Developing a predictive model to detect and prevent future mechanical issues based on real-time data collected by the integrated systems on the bus.*
- *Studying passenger trends to promote efficiency without cost increase.*

2021: Summer Camp Killoqua Counselor in Stanwood, WA, USA

2017-2021: Secondary School Math Teacher at Institució Cultural del CIC.

- Preparation for Mathematical Kangaroo, which is an international mathematics competition in over 77 countries.

2016-2022: Private tutoring (high school level) in Mathematics, Physics and English.

2018-2019: Coach at Barcelona Table Tennis Club

Other experience

2018-2021: Student Representative at the Council of Mathematical Studies in the University of Barcelona.

2018-2021: Student Representative for the Math and Computer Science Department meetings.

2016: Participation in the Debate League organized by Xarxa Vicens Vives