

Omar López Rubio

Computer Scientist, Data Analyst and Tutor

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<https://norhther.github.io/blog/>

Exceptionally talented Tutor with over 5 years of teaching experience. Passionate about working with youth and adult learners. Strong commitment to enhancing and supporting education. Outstanding communication and problem-solving skills. Demonstrated to deliver one-on-one service focused on learning and skills development. Foster positive learning environment by encouraging students to develop individual skills. Specializing in 1:1 instruction, team collaboration and relations with students and support staff.

Computer scientist familiar with gathering, cleaning and organizing data for use by technical and non-technical personnel. Understanding of statistical, algebraic and other analytical techniques. Highly organized, motivated and diligent.

Education

2014-09 - 2021-10

Bachelor Degree in Computational Science - Universitat Politècnica De Catalunya - FIB – Barcelona

Work History

2018-07 - Current

Programming Tutor

Freelance, Barcelona

- Taught courses in Algorithmics, Computational Complexity, ML and Programming Paradigms (OOP, Functional...)
- Delivered courses using Python, R, C/C++ and Java.
- Managed over 50 students
- Collaborated with students to complete homework assignments, identify learning skills and correct weaknesses.
- Planned lessons for allotted time to strengthen weak subjects and build skills.

2019-12 - 2020-04

Software Programmer

Federació Catalana d'Esgrima, Barcelona

- Designed and implemented Skore, application written in NodeJS to act as visual scoreboard for fencing matches.
- Monitored networks and network devices to resolve technical problems.
- Consulted regularly with internal customers on application development project status, new project proposals and software-related technical issues.

2018-08 - 2018-10

Technology Consulting Analyst

Accenture, Barcelona

- Acted as a link between ML team of Barcelona and Madrid.
- Led Optical Character Recognition team in delivery of complex information extraction project, resulting in the bases for tools for ML document classification.
- Resolved compatibility problems using several languages, like Python and C++

2018-04 - 2018-08

Regular Contractor

Accenture, Barcelona

- Designed and developed Machine Learning documentation and analytical data structures for the company in Python and C++.
- Provided computer programming subject matter expertise to project team members.

2017-10 - 2018-02

Programming Mentor

Facultat d'Informàtica de Barcelona - Universitat Politècnica de Catalunya, Barcelona

- Delivered university-level teaching for new students in the subject of Programming 1.
- Maintained energy and enthusiasm in fast-paced environment.
- Demonstrated respect, friendliness and willingness to help wherever needed.

Languages

English - C1 Cambridge Certificate

Native Catalan

Native Spanish

Certifications

2016-06

Introduction to Android - Emited by JEDI, Joves estudiants d'Informàtica