Tomàs Ortega

Curriculum Vitae

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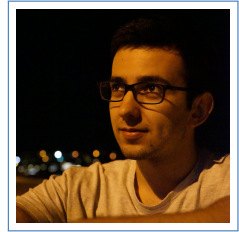
I am a Mathematics and Telecommunications Engineering undergraduate. During my Telecommunications Engineering studies I have learned the essentials of Electronics, Signal Processing and Network Protocols. I am particularly interested in applying this knowledge to code. Also, I have greatly enjoyed my Mathematics courses, and I am interested in a variety of topics ranging from Complex Analysis to Discrete Mathematics and Algorithms.

You can take a look at my personal website here, and my GitHub here.

Education

2015–present   **Mathematics and Telecommunications Engineering**, *CFIS, UPC*, Barcelona.
Currently finishing the fourth grade.

2013–2015   **Technological Baccalaureate**, *IES Angeleta Ferrer i Sensat*, Sant Cugat del Vallès, *Honors Degree*.

Other Courses

- Summer Course - FME 1st Course of Introduction to Research, organized by Juanjo Rué, UPC (2019)
- Summer Course - JAE School of Mathematics , organized by Yago Antolín and Mario García Fernández, ICMAT-UAM (2019)
- Winter Course - Game Theory, offered by Josep Freixas, UPC (2019)
- Winter Course - Introduction to Deep Learning, organized by Xavier Giró, UPC (2018)
- Summer Course - BarcelonaTech Mathematics Summer Camp, organized by Fundació Privada Cellex, UPC (2015)
- Coursera Course - Programming Mobile Applications for Android Handheld Systems, offered by Adam Porter, University of Maryland (2014)
- Summer Course - Algorísmia i Programació, offered by Salvador Roura and Jordi Petit, UPC (2014)
- Summer Course – Gràfics per ordinador, offered by Àlvar Vinacua, UPC (2013)
- Summer Course - Algorísmia i Programació, offered by Salvador Roura and Jordi Petit, UPC (2013)

Languages

Spanish	**Native**	*C1 certificate*
Catalan	**Native**	*C1 certificate*

English	**Proficient**	*Cambridge Proficiency certificate*
French	**Good**	*Delf certificate*

Professional Experience

Summer of 2018	**Summer Internship**, *Working on task automation and parallelization, data analysis and reporting for Gas Natural Informatica*, BaseTIS, Barcelona.

Computer skills

- Programming Languages: C, C++, Java, Python, Ruby, Haskell
- Markup Languages: HTML, XML, LaTeX
- Operating Systems: Linux, Windows, Android
- Tools: AWS, Luigi, Docker, Dash, Jenkins, GitHub, Bitbucket, Heroku

Other Merits and Awards

2019	**Google Hash Code**, *1st team Spain*, 75th global.
2018	**Kernel Analytics Datathon**, *2nd place*, Accuracy when classifying Parkinson's Disease onset of symptomatology using sensor data.
2018	**Google Hash Code**, *1st team Spain*, 53rd global.
2015	**CFIS**, *CFIS scholarship*, awarded.
2015	**UAB - ARGÓ prize for excellence in a mathematics and programming project**, *awarded*, As part of my research project in high school I developed a free and open-source Android App called MAT. It allows users to solve some elementary maths problems and is available on Google Play - click here to view.
2015	**Spanish Programming Olympiad**, *finalist*.
2014	**CIMS Cellex Program**, *shortlisted*.