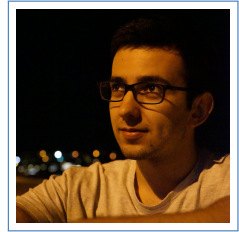


# Tomàs Ortega

## Curriculum Vitae

✉ [tomas.o.sc@gmail.com](mailto:tomas.o.sc@gmail.com)  
📁 [tomasortega.github.io](https://github.com/tomasortega)



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

- January 2020–present **Bachelor Thesis: Implementation of an Adaptive-Sweep Algorithm for Carrier Acquisition and Tracking in Spacecraft Radios, NASA JPL**, Pasadena.  
Will be presented this July
- 2015–present **Mathematics and Telecommunications Engineering, CFIS, UPC**, Barcelona.  
Currently finishing the fifth grade.
- 2013–2015 **Technological Baccalaureate, IES Angeleta Ferrer i Sensat**, Sant Cugat del Vallès, *Honors Degree*.

## Other Courses

- Online Course - [Using Python for Research](#), offered by Jukka-Pekka Onnela, Harvard University (2020)
- 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)
- Online 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	<b>Native</b>	<i>C1 certificate</i>
Catalan	<b>Native</b>	<i>C1 certificate</i>
English	<b>Proficient</b>	<i>Cambridge Proficiency certificate</i>
French	<b>Good</b>	<i>Delf certificate</i>

## 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

- 2020 **Google Hash Code**, *2nd team Spain*, 171th global.
- 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*.