

GUILLEM CORTÈS SEBASTIÀ

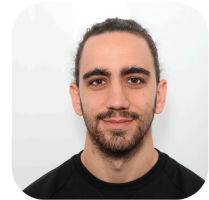
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guillemcort.es



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08/2020

BMAT & Music Technology Group MTG @UPF, Barcelona

Research Engineer (PhD candidate)

Working on Audio Fingerprinting within the [NextCore](#) project



07/2020

School of Informatics | University of Edinburgh, Edinburgh

01/2020

Research Assistant

Working with [Barry Haddow](#) studying the robustness of end-to-end speech translation systems. [Thesis link](#). Tools: Python, PyTorch, Git, bash



01/2020

BMAT Music Licensing S.L., Barcelona

03/2018

Charts Software Developer

Developing the BMAT's Charts web app. Tools: Python, Django, SQL, docker, Git, bash, html, css, JS



02/2018

Telefónica I+D, Barcelona

05/2017

Research Assistant

Working with [Jordi Luque](#) developing a biometric authentication system based on PPG signal by using CNNs and embedding it into a prototype. Further information in my [thesis](#). Tools: Python, Keras, Tensorflow, data science toolkits, bash



09/2015

GCEM Laboratory | UPC, Barcelona

09/2014

Laboratory Technician

Certifying electronic devices according to the standards and legislation. Tools: LabView



2022

ISMIR 2022, Bengaluru

"BAF: An Audio Fingerprinting Dataset for Broadcast Monitoring" [paper](#)



2018

EUSIPCO 2018, Rome

"End-to-end Photoplethysmography (PPG) Based Biometric Authentication by Using Convolutional Neural Networks" [paper](#)



2018

Abbey Road Hackathon 2018, London

Chirp challenge winner [article](#)



09/2020

Universitat Politècnica de Catalunya, Barcelona

09/2018

**Master's in Advanced Telecommunication Technologies
(Deep Learning for Multimedia Processing)**



07/2018

**Telecommunications Technologies and Services Engineering
(major in Audiovisual Systems)**

09/2013

09/2019

Escola de Música Creu Alta, Sabadell

09/2007

Professional Grade in Classical Guitar





English	100 TOEFL (C2 equivalent)
Catalan	Native
Spanish	Native



Voluntary work

2016

With the *Menos Cabeza Más Corazón* Team I have carried out three voluntary works that have taken me to live and enjoy the most extreme sport competitions over the world. In all of these races, we were under huge pressure since at the end of the day, we had to have all necessary images recorded (with its back up) and the video resume of each stage uploaded to *Youtube*.

- Ultra Sierra Nevada 2016: [SOY MONTAÑA | Valentí Sanjuan](#)
- Powerade MTB series non-stop Madrid-Lisboa 2016: [MADRID LISBOA 2016 | Valentí Sanjuan](#)
- Titan Tropic Cuba by GAES 2016

2020

Voluntariat per la Llengua, a program to help Catalan learners practice the language through conversation.



Other interests

I play the guitar since I was 11 and I'm just starting to produce my own music. I also do sport regularly; I really love jogging in the woods, already ran 3 marathons and counting! I think it is the perfect way to find inspiration, take a deep breath and inspire pure air. Lover of music and photography since I can remember. I like new technologies and everything related to its future upcoming, obviously.