



## Adrià Cadena Rubio

Audiovisuals Systems Engineer



[My Website](#)



15 March 1995



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## Skills

Signal Processing



Android



Physics



Maths



Game Dev



Musical skills



Graphic Skills



Machine / Deep Learning



Management



## Tools

Java, Kotlin, C, C++, Python, Android Studio, OpenGL, GLSL, LWJGL, HTML, CSS, JavaScript, Matlab, Adobe Photoshop, Sony Vegas...



## About Me

I am an engineer passionate about computing, maths, physics and art. Working on things that combine these disciplines together is my passion. I spend my free time playing music on my guitar, programming whatever comes to my mind, learning new stuff or playing video games. Right now I am focused on improving my programming skills, since I think it is a very interesting way to apply my knowledge in engineering.



## Education

2013-2019 Bachelor's degree [Universitat Pompeu Fabra](#)  
[Audiovisual Systems Engineering](#)

2011-2014 English level certificate. [EOI Vall d'Hebron](#)  
EOI 3rd, 4th and 5th English level certificate.



## Projects

2020-Now [Link to projects](#)  
Currently I am working on some projects related to rendering graphics in real-time in order to improve my understanding on how softwares like video games are made.

2018-2019 Final Degree Project [Universitat Pompeu Fabra](#)  
My bachelor's degree final project (TFG) was about an Android application with real-time musical chord recognition features. You can find more information about this project and its source code [here](#), on Github.

2014-2018 [Goodfellows](#) (Pop-Rock Band)  
While I was studying my Bachelor's, I started working on a musical project. I met some musicians on the internet and I joined their band. We started composing and playing in many places around Barcelona.



## Experience

2020-Now IT Teacher [Scratch BCN](#)  
Programming, 3D printing and Robotics High School Teacher.

2017-2020 Android Developer [Genaker PTT](#)  
For almost two years and a half I worked developing a Critical Mission Push To Talk Android Application. From its backend to its frontend.



## Languages

English	Fluid
Catalan	Mother Tongue
Spanish	Mother Tongue