



About Me

I was born in Barcelona, Spain. I have always dreamed of becoming a pilot, but soon realised that I wanted to be innovative and create new things. After finishing High school at a german school, I applied to ETH Zurich in order to study Mechanical Engineering. My goal in life is to resolve problems that affect our society by applying technological solutions.

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Education

Experience


Skills

Languages

Licenses & Certifications

Education

 **2019–2020**
ETH Zürich
Bsc in Mechanical Engineering

 **2017–2019**
Swiss school of Barcelona
High school

 **2003–2017**
Zürich Schule Barcelona
High school

Experience

 **2016–2020**
Founder
Mydomotik

I created a product that provides 360° of domotic control in private houses and companies. Mydomotik allows controlling blinds, curtains, lights, plugs, and all kind electronic devices or sensors through a mobile phone, tablet or web page. Thanks to this project I improved my coding skills and learned to create my own business.



2019–2020

Maths teacher

Schlaumacher GmbH

Teaching is the best way to learn. I am working at Schlaumacher as a maths teacher and enjoy helping students to improve themselves.

January 2020



Internship

Bitron

At ETH Zürich we are allowed to do a five week Internship as a workshop assistant, in order to consolidate the academic content and gain an insight into design and production.



August 2019

Scientific expedition

Instituto de Astrofísica de Canarias

In order to observe the Perseid Meteor Shower, I have travelled with a research team to Oukaimeden (Morocco) and measured different parameters of the shooting stars using the parallax method. We can estimate their altitude, speed, angle of incidence and trajectory thanks to this technique.



2017–2019

Joves i Ciència

Fundació Catalunya La Pedrera

Joves i Ciència is a science program for high school students. The scholarship lasts for three years and allows young people from Spain to go further into science investigation. In my case, I have been submerging into astrophysics and working on a paper about gravitational waves.



August 2018

Young Brainport Summer School

Brainport Eindhoven

I have been allowed to participate at the Young Brainport Summer School in Eindhoven (The Netherlands). It offers a great experience to students from all around the world. At YBSS we have had a dive into engineering and physics applied to the industry by visiting different companies such as Phillips or ASML.



July 2018

Ruta de las Estrellas

Instituto de Astrofísica de Canarias

The 'Ruta de las Estrellas' is a scientific program that takes place at the Teide Observatory. At the [Astrophysics Institute of the Canary Islands](#) we have been working on the analysis of asteroid light curves in order to determine different parameters, such as the rotation period or even the shape of the body.

Skills

HTML, CSS, JS, PHP



Python



C++



React and Nodejs



MongoDB and MySQL



CAD (NX11 and Onshape)



Languages

English (C2 Proficiency)



Spanish (Native)



German (Native)



Catalan (Native)



Italian (Beginner)



Licenses & Certifications



June 2019

C2 Proficiency (English)

Cambridge Assessment



June 2019

C1 Goethe-Zertifikat (Deutsch)

Goethe-Institut Barcelona