

Patrick Benito



Name: Patrick Benito Eberhard
Date of birth: May 29, 2001
Nationality: Spanish and German
Email: patrick_benito@hotmail.com
Phone: +34 662 07 42 30
+41 779 69 31 40
Website: <https://patrickbenito.tk>

Education

ETH 2019–2022
ETH Zürich
BSc in Mechanical
Engineering



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



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

Experience



2021–2022
Focus student
e-Sling
Full-time development of a four-seater electric
aircraft and a hydrogen fuel cell power train.



2022
**Teaching Assistant for Quantum
Mechanics**
ETH Zürich
Teaching for Prof. Norris about the Schrödinger
Equation, operators, approximation methods and
other fundamentals of Quantum Mechanics.



2021
Teaching Assistant for Dynamics
ETH Zürich
Teaching the motion of dynamics of systems of
particles, 2D and 3D motion of rigid bodies,
vibrations and waves for Prof. Kochmann.



2021
Founder
Intralink
Creation of an automated reservation method for
restaurants and small businesses via WhatsApp.



2020–2021
Teaching Assistant for Mechanics
ETH Zürich
Holding of the exercise sessions of Mechanics I & II
offered by Prof. Mazza and Prof. Mohr in the fields of
Kinematics and Statics of particles.



January 2020
Internship
Bitron
Five-week internship at a manufacturing company
of mechatronic devices and systems for the
automotive industry.



August 2019
Scientific expedition
Instituto de Astrofísica de Canarias
Observation of the Perseid Meteor Shower with a
research team in Oukaimeden (Morocco).
Measurement of the shooting stars using the
parallax method and further estimation of their
altitude, speed, angle of incidence and trajectory.



2017–2019
Joves i Ciència
Fundació Catalunya La Pedrera
Science scholarship for spanish high school
students. Specialization in astrophysics and
publication of a paper about gravitational waves.



August 2018

Young Brainport Summer School

Brainport Eindhoven

Scholarship offered to students from all around the world to dive further into engineering and physics applied to the industry. Visiting of multiple companies such as Phillips or ASML.



July 2018

Ruta de las Estrellas

Instituto de Astrofísica de Canarias

Scientific program offered by the Institute of Astrophysics of the Canary Islands at the Teide Observatory. Analysis of asteroid light curves to determine the rotation period and shape of celestial bodies.



2016-2019

Founder

Mydomotik

360° of domotic control in private houses and companies. Automated control of blinds, curtains, lights, plugs, and other electronic devices through a mobile phone, tablet or web page.

Skills

HTML, CSS, JS & PHP



Python & Matlab



C++



React and Nodejs



MongoDB and MySQL



CAD (NX11 and Onshape)



Languages

English (C2 Proficiency)



Spanish (Native)



German (Native)



Catalan (Native)



Italian (Beginner)



Honors & Awards



September 2020

Outstanding D-MAVT Bachelor Award

ETH Zürich



June 2019

Price for the best Matura diploma

Swiss school of Barcelona



June 2019

C2 Proficiency (English)

Cambridge Assesment



June 2019

C1 Goethe-Zertifikat (Deutsch)

Goethe-Institut Barcelona

Licenses & Certifications