



# MARK BENAZET CASTELLS

## Student

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📍 Zürich, Switzerland

🌐 markbenazet.me

## ABOUT ME

*Aspiring Robotics and Mechatronics Specialist, currently enriching my expertise in Mechanical Engineering at ETH Zürich. I am deeply committed to sustainable, innovative design, with a keen focus on real-world applications in environmental conservation and technology.*

## SKILLS

Fusion 360

C++

NX11

Solid Works

Office365

Latex

MATLAB

Python

HTML

CSS

ROS 2

Git

## LANGUAGES

Spanish: Native / C2

Catalan: Native / C2

English: Advanced / C1

German: Advanced / B2

French: Basic / A2

## EDUCATION

ETH Zürich | MSc in Robotics, Systems and Control

📅 09 2024 – 09 2026 Expected

📍 Zürich, Switzerland

ETH Zürich | BSc in Mechanical Engineering

📅 09 2021 – 09 2024 Expected

📍 Zürich, Switzerland

- Focus on Robotics, Systems and Control.

Swiss School of Barcelona ( ESB ) | School Education

📅 09 2006 – 06 2021

📍 Barcelona, Spain

## EXPERIENCE

Teaching Assistant | Quantum Mechanics

📅 02 2024 – Present

📍 Zürich, Switzerland

- Teaching Assistant for Prof. Norris enhancing course material and student engagement in Quantum Mechanics fundamentals.
- Implemented Weekly Theory Sheets for the Students.

Focus Project Student | NOCTUA

📅 09 2023 – Present

📍 Zürich, Switzerland

- Assisted in the Software architecture and controller design for an autonomous drone project.
- Contributed to the development of a drone aiding wildlife preservation and anti-poaching in African reserves.

Laboratory Assistant | IDSC

📅 07 2023 – Present

📍 Zürich, Switzerland

- Assisted Prof. Onder in Control Theory Applications labs, guiding Students Weekly in different Control Theory topics.

Development Department Intern | KLEIN Europe

📅 01 2022 – 02 2022

📍 Barcelona, Spain

- Engaged in a five-week internship focusing on the engineering of sliding door systems.

- Gained hands-on experience in product development and testing.
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## Tutor | Freelance

📅 02 2018 – Present

📍 Barcelona, Spain | Zürich, Switzerland

- Provided tutoring in subjects such as Mechanics, Analysis, and Linear Algebra to undergraduate students. Also assisted with various school subjects.