


FERRULLI MASSIMILIANO

 LinkedIn Profile


 github.com/MassimilianoCEZ


 maxferrulli8@gmail.com

EDUCATION

① Scuola Media Agno


Middle School

 2015 – 2019

 Agno, Ticino

② Liceo Lugano 2 Savosa

OS FAM


 2019 – 2023


 Savosa, Ticino

- Attestato di maturità liceale

① EPFL

Politechnique School


 2023 – present

 Lausanne, Vaud


- Bechelore in Microtechnique

EVENTS


Maturaarbeit in quantum mechanics

 2022-2023


My Maturaarbeit in quantum mechanics goes over various quantum mechanics topics such as the Franck-Hertz experiment, the blackbody radiation and both time dependent and stationary Schrödinger's equations. This work received 6 as a mark, which is the highest mark in Ticino.


 /MassimilianoCEZ/LAM


Project for the National contest Swiss Youth SJF


 2022-2023

I've participated in the 57th edition of the national contest for Swiss Youth in science as a finalist. For this contest I tried to recreate the electron diffraction experiment setup with a low budget of roughly 10 % of the price proposed by the manufacturing companies. The other goal is to develop a design that allows students to recreate this experiment in their school's lab. This work has been rewarded with the mention Very Good.


 /MassimilianoCEZ/sjf

 SJF certificate

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Lab Day at ETHz

 23 August 2023

Prof. Dr. Crivelli invited me and Stefano Hauswirth to visit his laboratories in the ETHz campus in Höggerberg

Young Talent Day

 4th September 2023

The Swiss Physical Society (SPS) invited me and other youths to the SPS Young Talent Day at the university of Basel. We visited various laboratories and attended the Blaise Pascal Symposium in honor of his 400th birthday.

PERSONAL INFO



Full name: Ferrulli Massimiliano

Date of birth: June 8th, 2004

Nationality: Italian

TECHNOLOGIES

C++

Catia V5

Python

KiCAD

Object Oriented Programming

Makefile

Arduino

LaTeX

Solidworks

Autodesk Inventor

Houdini Fx

Adobe After Effects

LANGUAGES

- Italian (Native speaker, C2)
- English (C1)
- French (B2)

PROJECTS


Hand lever winch

 2024


This is the semester project for the mechanical construction course where we had to engineer a "treuil de forêt". We went for a lever design with a planetary gearbox. More infos on my github page

 /MassimilianoCEZ/Hand-lever-winch

2D simulation of a micro system in water

 23 August 2023

In duo we developed a 2d simulation in c++ of a micro system in water. This project uses c++ 17 with makefile and GTKMM4 as library for the GUI

 /MassimilianoCEZ/MicroReef

PERSONALITY / INTERESTS

I'm a curious, extrovert and determined guy. In my spare time I like to build drones, design pcbs, create cgi simulations in Houdini.