



GIULIO CORDOVA

High Energy Physics Student

PROFILE

Passionate physics student with a good background in the theoretical and computational side. Enthusiastic to learn, I enjoy new challenges and I am highly motivated to work in an international environment.

EDUCATION

Master of Science in Physics
Università di Pisa

Dec 21 - NOW

My master degree in High Energy Physics has a specific focus on Data Analysis techniques. Besides the courses of theoretical physics on Quantum Field Theory and Fundamental Interactions, I am deepening my knowledge in performing statistical analyses with Data Mining, Machine Learning and Monte Carlo methods.

Bachelor of Science in Physics
Università di Pisa

Oct 18 - Dec 21

The subject of my bachelor's thesis was a precise measurement of the branching ratios of the W boson decay with the CMS experiment. For this project I had a specific focus on the study of the Lepton Universality using Monte Carlo analysis.

Other exams include experimental physics and electronics, classical mechanics and electrodynamics, quantum mechanics, basic nuclear physics, astrophysics, general chemistry, calculus, complex analysis, linear algebra, C, Python, ROOT Languages.

ABROAD EXPERIENCES

Bachelor of Arts Philosophy
Humboldt Universität zu Berlin

Oct 17 - Sep 18

After high school graduation, I attended Philosophy lectures at the Humboldt University of Berlin.

Mittler Abschluss 10. Klasse
Pindl Gymnasium Regensburg

Jul 14 - Aug 15

I attended 10th grade classes in a German high school.

OTHER INTERESTS

Volunteering as Chief Scout for CNGEI Pisa

The experience of leading a staff that takes care of the educational activities for a group of teens has provided me with logistic, organisation and social skills, as well as good team leading abilities.

Amateur Photography and Videomaking

I enjoy shooting pictures, especially mountain landscapes. This hobby provided me with good knowledge of editing software for pictures and videos.

Sport & Music

I enjoy hiking and climbing in the mountains. Recently I also started playing beach volley in a local team. I enjoy playing the guitar in a band.

FOCUS FIELDS

Data Analysis

Particle Physics

**Social and Complex
Network Analysis**

PROGRAMMING

L^AT_EX 4+ yrs
Proficient

Python 4+ yrs
Proficient

C/C++ 4+ yrs
Intermediate

ROOT 1+ yrs
Basic

LANGUAGES

Italian MT

English C1

German C1

Spanish A2

INFO & CONTACTS

 24 November 1998

 56126 Pisa, Italy

 +39 340 210 0659

 GitHub: zenith378

 giulio.cordova@gmail.com