LORENZO TURCO

MSc in Theoretical Physics

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- Lorenzo-Turco   LorenzoTurco   trailblazer.me lorenzoturco

"All men by nature desire knowledge."
– Aristotle

CV, University Exams, Degree's Theses, Certificates on:
https://github.com/Lorenzo-Turco/Documents

ABOUT ME

I am an *Ambitious* person 🚀, always looking for *New Knowledge* 💡 and, since the first scholastic years, very good at *Working within a Team* 👥.
I am interested in *Software Developer* </> or *Administrator* 🔑 role.
I took a *Salesforce Academy* ☁ at Experis - Manpower Group: Certificate being issued (see my trailblazer.me profile: lorenzoturco).

EXPERIENCE

Teaching Tutor

Università degli Studi di Genova

- Sep 25, 2019 – Apr 4, 2020   Genoa, Italy

Teaching Tutor experience of
- General Physics
- Mathematical Analysis
- Analytical Geometry and Linear Algebra

for first year students of the Bachelor's Degree Course in Mechanical Engineering.

EDUCATION

Master's Degree in Theoretical Physics

Università degli Studi di Genova

- Sep 2018 – Oct 29, 2020   Genoa & Turin, Italy

Thesis title: Neutron-star mergers in scalar-tensor theories of gravity (EN)
Thesis supervisors: Prof. Gianluca Gemme – INFN & Dr. Alessandro Nagar – IHES. **Co-supervisor**: Prof. Nicola Maggiore – INFN
Final Grade: 110/110 cum Laude

Bachelor's Degree in Physics

Università degli Studi di Genova

- Sep 2015 – Sep 28, 2018   Genoa, Italy

Thesis title: Extension of the Coulomb and Biot-Savart laws to the non-static case: Jefimenko's equations (IT)
Thesis supervisor: Prof. Lorenzo Mattera – UniGe
Final Grade: 110/110 cum Laude

COMPUTER ACHIEVEMENTS

Salesforce
1x Superbadge: Admin
Trailhead Rank: Expeditioner

COURSE: Salesforce - CRM Cloud Solution Architect
🏛 Experis Academy - ManpowerGroup
📅 Nov 2, 2020 – Dec 12, 2020

PERSONAL SKILLS

Skill	Level
Team Working	●●●●●
Focus on Tasks	●●●●●
Professional Exchange	●●●●●
Human Exchange	●●●●●

COMPUTER SKILLS

Skill	Level
LaTeX	●●●●●
Mathematica	●●●●●
Microsoft Office	●●●●●
MATLAB	●●●●○
Java	●●●○○
C++	●●●○○
C	●●●○○
Salesforce	●●○○○
Apex	●●○○○
MySQL	●●●○○
ROOT	●●○○○
SciDAVis	●○○○○
Unreal Engine 4	●○○○○

High School Diploma

Liceo Scientifico IIS *Carlo Barletti*, Opzione Scienze Applicate

📅 Sep 2010 – Jul 4, 2015   📍 Ovada, AL, Italy

Final grade: 100/100

SCIENTIFIC SKILLS 🧪

During my study path, and my thesis work, I had the opportunity to elaborate on several topics of physics and mathematics.

- **Gravity**. Since the last Bachelor year, I focused my attention on the theory of *General Relativity* including several solutions, cosmology, causal structure of spacetime, singularity theorems and calculation techniques in *Gravitational Waves* theory. In my Master's Degree thesis I also had the opportunity to study *Scalar-Tensor* theories of gravity and the Gravitational Waves theory in this framework with my supervisor Dr. Alessandro Nagar and his research group (📍 Turin, Italy).
- **Particle Physics**. My interests also turn to *Quantum Field Theory* and the *Standard Model* of Particle Physics, including the construction of the model starting from *Group Representation Theory* and some phenomenological calculations.

ORGANIZATIONS 🏛

National Institute for Nuclear Physics (INFN), section of Genoa

📅 Nov 2019 – ongoing

Position: Associate
Group: National Scientific Commission (CSN) II

VIRGO Collaboration

📅 Dec 2019 – Nov 2020

Position: Member
Affiliation due to the work on the Gravitational Waves within my Master's Degree thesis

ACADEMIC ACHIEVEMENTS 📕

🏆 **Winner of Teaching Tutor Position**
🏛 Università degli Studi di Genova
📅 Sep 2019 – Apr 2020

🏆 **University Merit Awards**
🏛 Università degli Studi di Genova
📅 Accademic Years: 2015/2016, 2016/2017, 2017/2018, 2018/2019

🏆 **Representative in Regional School Board**
🏛 Liceo Scientifico IIS *Carlo Barletti*
📅 2014/2015. 🗺 Alessandria, Italy

LANGUAGES 🔤

Italian

Mother tongue

English

Speaking: B2	Listening: B2
Reading: C1	Writing: B2

CERTIFICATES ✺

📄 *Cybersecurity - BASE level (IT)*
🏛 INFN
📅 Oct 12, 2020

📄 *The GDPR in 10 pills (IT)*
🏛 Università degli Studi di Genova
📅 Sep 30, 2019

📄 *Specific training for the office staff-low risk (IT)*
🏛 Università degli Studi di Genova
📅 Aug 7, 2019

📄 *General training on safety and health in the workplace (IT)*
🏛 Università degli Studi di Genova
📅 Nov 30, 2018

DRIVER'S LICENSE 🚗

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With own car