Luca PEZZINI
Computational Astrophysicist | Data Scientist

- in linkedin.com/in/luca-pezzini-51b4b01a5   ⊙ github.com/cheshirepezz
- ▯ (+39) 338 132 3114   @ luca.pezzini@edu.unito.it
- ⚲ Vicolo Fossale 5, 13897 Occhieppo Inferiore, Biella

Master's student in Astrophysics and Theoretical Physics, currently doing thesis in the Centre for mathematical Plasma-Astrophysics (CmPA) Leuven. Interested in the multi-disciplinary approach to research. I'm studying the magnetic flux tube instability through Particles in Cell (PiC) method in general geometry, with a strong numerical approach (C++, Phython, MathLab). I'm also focused on expanding my computational knowledge, and deep diving into Numerical Methods and Machine Learning. Beside my research activity I'm following on-line courses about coding and IT. Generally impatient and creative.

🎓 FORMATION

2020-2020	**KU Leuven** Erasmus Traineeship Program, Leuven
2018-2019	**KU Leuven** Erasmus+ Program, Leuven
2017-2020	**Università degli studi di Torino** MSc Astrophysics and Theoretical Physics, Torino
2012-2017	**Università degli studi di Torino** BSc Physics, Torino

💼 PROFESSIONAL EXPERIENCE

Pres.
September 2019

Machine Learning Journal Club UniTo, TORINO,
- › Open Source community which aims to explore and introduce Machine and Deep Learning to students.
- › Promotion of data science.

Data Science | Python | Machine Learning | Deep Learning

February 2018
September 2017

Mathematics and Physics Tutor for ADHD kids, COMUNE DI TORINO,
- › Reprocess concept and work with visual memory.
- › Working on the interaction with teachers and schoolmate helped by a psychologist.

Mind Map | Visualization | Support

🖥 CODING SKILLS AND SOFTWARE

- LaTeX ●●●●●
- C++ ●●●●○
- Phython ●●●○○
- Git ●●●○○
- Linux Kernel ●●●○○

➕ CERTIFICATIONS

- › IBM Data Science : ID PE62LKKLGH2M.
- › IBM Data Science : ID 93YJEC7NCFFY.
- › Driving License B : ID AD0411856.
- › DELF : ID 039015-002258.
- › AICA : ECDL, ID IT1383114.

☰ RESEARCH PROJETS

COVARIANT PIC   2020
🔗 https://www.simplycity.nc   🔗 Présentation CES 2018
Covariant PiC method to study Magnetic Flux Tubes Instabilities in General Geometry.

Plasma Physics | Numerics | Developing | General Geometry

NON THERMAL EMISSION FROM ASTROPHYSICAL JETS   2017
⊙ github.com/darwiin/yaac-another-awesome-cv   🔗 Template sur Overleaf
Template LaTeXpour Curiculum Vitæ utilisant les icônes Font Awesome et la police de caractère Adobe Source Sans Pro. Non Thermal Emission from Astrophysical Jets.

Plasma Physics | Jets Acceleration | Shocks

❝ RÉFÉRENCES

Dr. Giovanni Lapenta	Dr. Andrea Mignone	Dr. Bhargav Vaidya
Ordinary Professor, KU LEUVEN	*Associate Professor*, UNITO	*Assistant Professor*, IIT INDORE
@ giovanni.lapenta@kuleuven.be	@ mignone@to.infn.it	@ bvaidya@iiti.ac.in
☏ (+32) 16 32 79 65	☏ (+39) 011 670 7450	☏ (+91) 7324 306538