

ANTONIO TUTONE, PH.D.

Astrophysicist and Geek

@ tutoneantonio@gmail.com +39 338 573 93 01
Palermo, Italy antonio-tutone Tutanto

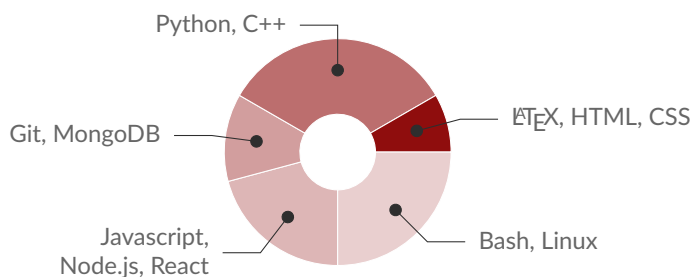
Via Monte Santa Rosalia, 2, 90133, Palermo, Italy
0000-0002-2840-0001



MY LIFE PHILOSOPHY

"If you walk staring at your feet, you will never fall but you won't know where you going. If you look ahead, you may fall but you'll know where you are heading."

LANGUAGES AND TOOLS



EXPERIENCE

Fixed-term researcher

INAF - Istituto Nazionale di Astrofisica

September 2023 – August 2025 Palermo, Italy

- Development and testing of software for image and pattern recognition using Artificial Intelligence methods, in particular Machine Learning, Ensemble Learning and Deep Learning methods

Postdoctoral Researcher

INAF - Istituto Nazionale di Astrofisica

March 2022 – August 2023 Rome, Italy - La Palma, Spain

- Follow LST1 operation at Observatorio del Roque de los Muchachos, La Palma, Canary Islands, Spain and pass the know-how to telescope operators
- Joining and assisting expert teams on-site and remotely
- Supervise maintenance activities of the LSTs
- Documentation of maintenance activities

Coding Bootcamp - Front-end developer

EDGEMONY SRL

February 2022 – March 2022 Palermo, Italy

- Team project
- Creation of a chat platform using React and Firebase Realtime Database

Visiting student

Commissariat à l'énergie atomique et aux énergies alternatives (CEA)

November 2019 – January 2020 Saclay, France

MOST PROUD OF



Lecturer

More than 5 contributed talks in 3 years



Persistence

I showed despite the hard moments during Covid lockdown



Personal Growth

Learned more than 5 coding languages in 3 years



High Performance Computing

Principal Investigator of a Class C Project approved for allocation of computational resources at international supercomputing centers (CINECA, Italy).

LANGUAGES

Italian



English



Spanish



EDUCATION

Web Development, Machine Learning and Data Science

Udemy

June – August 2022

- The Complete 2022 Web Development Bootcamp
- Machine learning and Data science in Python

Coding Bootcamp - Front-end developer

EDGEMONY SRL

October 2021 – March 2022

- HTML, CSS

- Visiting student at the Commissariat à l'énergie atomique et aux énergies alternatives (CEA) institute under the guidance of Dr F. Acero and Dr J. Ballet.

University Tutor

Università degli studi di Palermo

📅 November 2017 – June 2018 📍 Palermo, Italy

- Teaching
- Tutoring activities

Part time employee

Università degli studi di Palermo

📅 May 2016 – February 2017 📍 Palermo, Italy

- Assistance at the administrative offices at the Research and Development Area.

- Javascript, React
- git

Ph.D. in Physics

INAF/IASF Palermo

📅 November 2018 – October 2021

Thesis title: Study on Supernova Remnants evolution and their gamma-ray emission

M.Sc. in Physics

Università degli studi di Palermo

📅 2016 – 2018

B.Sc. in Physics

Università degli studi di Palermo

📅 2013 – 2016

PUBLICATIONS

📄 Journal Articles

- Anzalone, A., Pagliaro, A., & **Tutone, A.** (2024). An introduction to machine and deep learning methods for cloud masking applications. *Applied Sciences*, 14(7). doi:10.3390/app14072887
- **Tutone, A.**, Ballet, J., Acero, F., D'Ai, A., & Cusumano, G. (2021). Multiple accelerated particle populations in the Cygnus Loop with *Fermi*-LAT. *Astronomy & Astrophysics*.
- **Tutone, A.**, Orlando, S., Miceli, M., Ustamujic, S., Ono, M., Nagataki, S., ... Bocchino, F. (2020). Three-dimensional modeling from the onset of the SN to the full-fledged SNR. Role of an initial ejecta anisotropy on matter mixing. *Astronomy & Astrophysics*.

See more on ORCID.

In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document.