

Sabrina Outmani

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Computing Knowledge

Linux Environment; Python; Jupyter Notebook; MATLAB; QGIS; SNAP; LaTeX; Microsoft Office.

Soft Skills

Problem Solving; Decision Making; Team Working; Communication; Flexibility.

Courses and Summer Schools

2022 - Advanced Webinar: Mapping Crops and their Biophysical Characteristics with Polarimetric SAR and Optical Remote Sensing

2021 - Artificial Intelligence for Earth Monitoring MOOC by EUMETSAT

2018 - STFC Summer School in Astronomy, Belfast, UK

Language Skills

- Italian (mother tongue)
- English (excellent)
- Spanish (intermediate)
- French (beginner)
- Moroccan Arabic (native)
- Classic Arabic (beginner)

Other Experiences

- Private Tutoring
- Planetarium Volunteer
- Hospitality

Interests

- Travelling
- Music
- Equality & Diversity

Experience

MEEO S.R.L. / Data Analyst

Mar 2022 - Present, Ferrara, Italy

Analysis of SAR data from Sentinel and COSMO-SkyMed for a number of applications, including monitoring of infrastructures and oil spills detection.

CNR-ISAC / Research Intern

Sep 2021 - Jan 2022, Bologna, Italy

Analysis of precipitation data for the impact assessment of climate extreme events on cultural heritage.

IIS A. Volta / Secondary School Teacher of Mathematics and Physics

Oct 2020 – Jul 2021, Castel S. Giovanni (PC), Italy

I taught students aged 14-18 attending both the Lyceum and Technical branches.

University of Warwick / Researcher

Nov 2018 - Mar 2020, Coventry, UK

Observational astronomy researcher, leading several observations overseas (Canary Islands, Chile). Main topic: binary white dwarfs.

University of Crete / Research Intern

Summer 2018, Heraklion, Greece

The internship involved taking observations at the Skinakas Observatory and handling spectroscopic data.

Academia Sinica Institute of Astronomy and Astrophysics / Research Intern

Summer 2017, Taipei, Taiwan

Main project on black holes astrophysics. Secondary group project on massive stars involving remote observations from the Mauna Kea Observatory in Hawaii.

Education

Alma Mater Studiorum, Università di Bologna / Professional II Level Master of Space Missions Science, Design and Applications (SPICES)

Jan 2021 - Jan 2022, Remote/Bologna, Italy

Interdisciplinary course covering applications of geospatial information, satellite monitoring of the climate and the ocean, data analysis techniques.

Queen Mary University of London / MSci Astrophysics

2014 - 2018, London, UK

Master thesis on the characterization of open stellar clusters through CCD photometry.

Liceo Scientifico A. Volta / Diploma

2009-2014, Castel S. Giovanni (PC), Italy