



Lucas Tortora

Date of birth: 27/02/2000 | **Nationality:** French, Italian | **Phone number:** (+39) 3757171604 (Mobile) |

Email address: lucas.tortora27@gmail.com

WORK EXPERIENCE

01/10/2024 – CURRENT Cambridge, United Kingdom

UNIVERSITY RESEARCH ASSISTANT INSTITUTE OF ASTRONOMY

- STFC Doctoral Training award to conduct scientific research

01/10/2023 – 31/08/2024 Zürich / Lausanne, Switzerland

UNIVERSITY RESEARCH ASSISTANT UNIVERSITY OF ZÜRICH (UZH) / ÉCOLE POLYTECHNIQUE FÉDÉRALE DE LAUSANNE (EPFL)

- Conduct academic research on MW-like satellites and stellar streams in numerical simulations
- Member of the WPS1 & WPS2 groups within the ARRAKHS consortium

20/09/2022 – 20/01/2023 Zürich, Switzerland

UNIVERSITY TEACHING ASSISTANT EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE ZÜRICH (ETHZ)

- Led weekly classes on advanced topics in Astrophysics to third-year Physics BSc students
- Provided summaries and feedback for students' exams
- Only MSc student accepted in group of post-doctoral assistants

01/07/2021 – 14/09/2021 Zürich, Switzerland

UNIVERSITY RESEARCH INTERNSHIP UZH

- Worked with Prof. Robert Feldmann's research group on atomic gas distribution in cosmological and zoom-in simulations
- Findings to be published in 2023 as first author

22/09/2019 – 31/08/2020 Lausanne, Switzerland

COACHING OF FIRST-YEAR STUDENTS EPFL

- Provided mentorship to first-year students by leading multiple academic and extra-curricular activities

EDUCATION AND TRAINING

01/10/2024 – CURRENT Cambridge, United Kingdom

PHD IN ASTRONOMY University of Cambridge

Website <https://www.ast.cam.ac.uk/>

21/09/2021 – 22/09/2023 Zürich, Switzerland

MASTER OF SCIENCE ETH IN PHYSICS Eidgenössische Technische Hochschule Zürich (ETHZ)

Website www.ethz.ch | **Final grade** 5.77 / 6 (with distinction) | **Type of credits** ECTS |

Thesis Investigating satellites of Milky Way-type galaxies beyond the Local Group with FIREbox

18/09/2018 – 30/08/2021 Lausanne, Switzerland

BACHELOR OF SCIENCE IN PHYSICS École Polytechnique Fédérale de Lausanne (EPFL)

Website www.epfl.ch | **Final grade** 5.39 / 6 | **Type of credits** ECTS

23/08/2023 – 28/08/2023 Lugano, Switzerland

CSCS SUMMER UNIVERSITY 2023 GRADUATE Università della Svizzera Italiana (USI) / CSCS

Website www.cscs.ch

01/10/2020 – 26/06/2021 London, United Kingdom

IMPERIAL COLLEGE LONDON ERASMUS+ GRADUATE Imperial College London (ICL)

Website www.imperial.ac.uk

● LANGUAGE SKILLS

Mother tongue(s): **FRENCH** | **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
SPANISH	B1	B2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

C++ | Python | PyTorch | CUDA | bash | Matlab

● HONOURS AND AWARDS

10/03/2020

Prize-winner of Best Poster in Global Issues course in Social and Human Sciences – École Polytechnique Fédérale de Lausanne (EPFL)

- Led a group of students in researching, organising and presenting the results of a study on the scarce access and associated challenges of dental health
- One of three groups selected amongst first-year students to present at the Swisstech Convention Center in front of ~1500 students (cancelled due to Covid)

Link <https://actu.epfl.ch/news/prizewinning-students-of-global-issues-2019-celebr/>

● HOBBIES AND INTERESTS

Bouldering (indoor / outdoor)

Football

Reading

Creative Writing

Gaming