Luca Garbi
Curriculum Vitae

PERSONAL DETAILS

Birth	June 2, 1998
Current Address	Zürich, Switzerland
Phone	(+39) 3490029410
Personal Mail	lucagarbi2@gmail.com
Website	www.lucagarbi.space

EDUCATION

Master's Degree in Physics   **09/2020-present**
ETH Zürich, Switzerland

> Attending my first year of master's studies in Physics, with a focus on quantum information processing.

Bachelor's Degree in Physics   **2017-2020**
University of Trento, Italy

> Final Grade: 110/110 cum laude
> Final thesis title: *Heralded single photon sources based on intermodal four wave mixing*
> Supervisor: Prof. Lorenzo Pavesi

Secondary School Diploma in Classics   **2012-2017**
Lyceum "G. Prati", Trento (Italy)

> Attended classical studies with 3 years focus on Natural Science.

WORK EXPERIENCES

Student tutor   **2017 - present**
Trento, Italy

> Job on call throughout the year, tutoring of high school students in mathematics, physics and latin.

Teaching Laboratories Collaborator   **02/2019 - 01/2020**
University of Trento, Italy

> Part-time collaboration to support and supervise the didactic laboratories of the Physics Department. (Competition notice "150-hour 2018/'19")

Front office executive and sales   **2017-2018**
Hotel Collini, Pinzolo, Italy

> Full-time job as front office executive and sales appointee during the 1st year of BSc.

Bartender and handyman   **2016**
The Prince of Greenwich Pub, London, UK

> Four months of full-time job over summer break as a bartender and maintainer during off-duty hours.

SKILLS AND EXTRACURRICULARS

Languages	• Italian: native language • English: fluent • German: intermediate
Courses and interests	• **Investment Management with Python and Machine Learning** - *EDHEC Business School* via Coursera. • **Machine Learning for Trading Specialization** - *New York Institute of Finance* via Coursera. • **School of Innovation on tech and entrepreneurship** - *University of Trento*. • **Winter School on Physics of the Cell** - *University of Trento*. In addition I took part in several Hackathons, involving both a IoT/Electronics part and a programming side (some of the projects can be found at `lucagarbi.space`). My main interests are quantitative analysis in finance, especially algorithmic trading and investment management, and quantum information/technologies.
Technical Skills	• PYTHON used extensively for simulations and machine learning purposes. Accustomed to the scientific stack (`numpy`, `pandas`, `matplotlib`, `scikit-learn`); • MATLAB broad knowledge, mainly for data analysis and the solution of ODE/PDE; • C/C++ proficient user, both for Monte Carlo and time-sensitive computational simulations; • MQL4/MQL5 used for developing algorithmic TS in the Meta Trader environment; • LINUX, LaTeX and GIT long-time user (`github.com/odusseo`); • Board/microcontrollers development and implementation (Arduino et sim.).
Soft Skills	During my various work experiences I had the the opportunity to prove myself as a versatile communicator and valid problem solver, able to adapt and also work in a team. I widened further the teamwork experience through both my experience as a volunteer firefighter and local voluntary organisations.
Certificates/licenses	• New ECDL Full Standard (ECDL Foundation); • IELTS English certificate - Band 8 (*CEFR* C1/C2); • International Masterclass - Hands on Particle Physics (INFN); • European driving license B.