

Tavernini Gabriel

COMPUTER SCIENCE STUDENT @ ETH ZÜRICH

24 Years Old · Zürich, Switzerland

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Education

ETH Zürich

MASTER IN COMPUTER SCIENCE

Zürich, Switzerland

Sep. 2023 - Jun. 2026

- Majoring in Machine Intelligence with a minor in Software Systems. (GPA: 5.85/6)
- **LabelAR**: mixed reality application that enhances spatial exploration by overlaying 3D virtual labels on real-world landmarks
- **Do Generalisation Results Generalise?**: analysed if finetuned LLM's performance on one OOD test set predicts success on another
- **SuperFlex** (superflex3d.github.io): deformable superquadrics for point cloud decomposition

Hong Kong University of Science and Technology

EXCHANGE STUDENT

Hong Kong SAR

Aug. 2022 - Jan. 2023

- I studied at HKUST for a semester as an exchange student (GPA: 4.09/4.3)

Politecnico di Milano

BACHELOR IN COMPUTER SCIENCE AND ENGINEERING

Milan, Italy

Sep. 2020 - Jul. 2023

- Graduated in June with a grade of 110 cum Laude / 110.
- Relevant Coursework: Algorithms, Computer Architectures and Operating Systems, Linear Algebra

Experience

Databricks

SOFTWARE ENGINEER INTERN

Amsterdam, Netherlands

Jul. 2025 - Sep. 2025

- As part of the DevEx team I sped up by 80% the start and stop times of the internal remote development system.
- Primarily worked with Go, Scala, and Linux-based systems, alongside extensive use of AWS services.
- Saved the company 25 engineer hours daily by optimizing every detail both on the client and the AWS side of things.
- Obtained a return offer for 2026.

Amazon

SOFTWARE DEV ENGINEER INTERN

Luxembourg, Luxembourg

Aug. 2023 - Dec. 2023

- As part of Amazon Transportation Services I worked in a team of engineers supporting scientists in the organization.
- Worked on expanding the capabilities of an internal tool widely used for ML deployments on AWS.

WickHunter.io

BACKEND DEVELOPER

Milan, Italy

Sep. 2021 - Jun. 2022

- Worked on the backend's architecture and the NodeJS service managing interactions with trading APIs offered by the exchanges.
- Distributed the request load over different IPs and kept track of the rate limits to prevent downtime or added latency for the services.

YoungJobber

FULL STACK DEVELOPER

Trento, Italy

Nov. 2020 - Feb. 2022

- Designed the overall project architecture. Built the back-end system and REST APIs with ExpressJs and MySQL.
- Design and development of the front-end using EJS, Bootstrap and JQuery.

Fondazione Bruno Kessler

RESEARCH FELLOW

Val di Non, Italy

Jun. 2019 - Jul. 2019

- I've been selected from a pool of international candidates to take part in the 2019 WebValley summer school.
- Analyzed ultrasound images, genetic data and clinical information of thousands of patients to find patterns of cardiovascular diseases.

Covid19 Stats

MOBILE DEVELOPMENT

Trento, Italy

Mar. 2020

- A cross-platform open source mobile app to visualize charts and insights on the current Covid-19 pandemic.
- Developed using Flutter and FICharts. The **GitHub repo** has now more than 130 stars and many contributions from the community.

Awards

2021	Best Freshmen Award , awarded to the best freshmen (top 3%) of the school of engineering	Politecnico di Milano, Italy
2022	Mentorship , among the few Italian students selected to be mentees	LeadTheFuture, Italy

Interests & Skills

Language	English (C1) and Italian (Native)
Programming	NodeJS, Java, Flutter (Dart), C, C#, Python, PHP
Technical	AWS, Unix, Git, Networking (Cisco Certification)
Hiking	Whenever I can I like to spend time in the mountains.