Tavernini **Gabriel**

COMPUTER SCIENCE STUDENT @ ETH ZÜRICH

23 Years Old · *Zürich, Switzerland*

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Education

ETH Zürich *Zürich, Switzerland*
MASTER IN COMPUTER SCIENCE *Sep. 2023 - Present*
- Majoring in Machine Intelligence with a minor in Software Systems. (GPA: 5.85/6)

Hong Kong University of Science and Technology *Hong Kong SAR*
EXCHANGE STUDENT *Aug. 2022 - Jan. 2023*
- I studied at HKUST for a semester as an exchange student (GPA: 4.09/4.3)

Politecnico di Milano *Milan, Italy*
BACHELOR IN COMPUTER SCIENCE AND ENGINEERING *Sep. 2020 - June. 2023*
- Graduated in June with a grade of 110 cum Laude / 110.
- Relevant Coursework: Algorithms, Computer Architectures and Operating Systems, Linear Algebra

Experience

Amazon *Luxembourg, Luxembourg*
SOFTWARE DEV ENGINEER INTERN *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 *Milan, Italy*
BACKEND DEVELOPER *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.
- Listed in the top 10 Bybit Brokers of December 2022

YoungJobber *Trento, Italy*
FULL STACK DEVELOPER *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 *Val di Non, Italy*
RESEARCH FELLOW *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.
- Presented the Deep Learning frameworks to many important figures, including the heads of the Italian Space Agency and FBK.

Projects

Covid19 Stats *Trento, Italy*
MOBILE DEVELOPMENT *Mar. 2020*
- A cross-platform open source mobile app to visualize charts and insights on the current Covid-19 pandemic.
- Developed using Flutter and FlCharts. The **GitHub repo** has now more than 130 stars and many contributions from the community.

NeatJS *Trento, Italy*
DEEP LEARNING & GENETIC ALGORITHMS *Oct. 2018*
- A JavaScript implementation of the "NeuroEvolution of Augmenting Topologies" algorithm, demos made with p5.js and three.js.
- The **examples** apply the algorithm to target seeking, classification, self-driving in a 3d space and even Asteroids (the arcade game).

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*

Intrests & 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.