Tavernini **Gabriel**

SOFTWARE ENGINEER · COMPUTER SCIENCE AND ENGINEERING STUDENT

21 Years Old · *Milan, Italy*

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Education

Hong Kong University of Science and Technology   *Hong Kong SAR*

EXCHANGE STUDENT   *Aug. 2022 - Jan. 2023*

- I'm studying in the Hong Kong University of Science and Technology for a semester as an exchange student

Politecnico di Milano   *Milan, Italy*

BACHELOR IN COMPUTER SCIENCE AND ENGINEERING   *Sep. 2020 - June. 2023*

- I'm studying Computer Science and Engineering at Politecnico di Milano
- Relevant Coursework: Programming Fundamentals, Computer Architectures and Operating Systems, Linear Algebra

Itt Buonarroti (Technical Institute)   *Trento, Italy*

HIGH SCHOOL DIPLOMA IN CS   *Sep. 2015 - June. 2020*

- I've graduated with full marks (100/100) in Computer Science at Trento's Technical Institute.

Experience

YoungJobber   *Trento, Italy*

LEAD 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.

Freelancing   *Trento, Italy*

SOFTWARE DEVELOPER   *Jun. 2018 - Present*

- Worked with NodeJs, on the interaction between a private copytrading service and the crypto exchanges
- Built a management system using PHP to track the inventory for a packaging & logistic company
- Developed a website with PHP to showcase on sale properties for a local real estate agency

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).

Registro LampSchool   *Trento, Italy*

MOBILE DEVELOPMENT   *Feb. 2018*

- A Xamarin (C#) mobile app for LampSchool, an open source school register widely used by schools throughout northern Italy
- I gained experience with app deployment (on both iOS and Android), maintenance and user support.
- The app now has more than 10k downloads and more than 2k monthly active users.

Awards

2021	**Best Freshmen Award,** awarded to the best freshmen of the school of engineering	*Politecnico di Milano, Italy*

Intrests & Skills

Electronics	I love to tinker with an Arduino and some RC gear.
Hiking	Whenever I can I like to spend time in the mountains.
Technical	AWS, Unix, Git, Networking (Cisco Certification)
Language	English (C1) and Italian (Native)