Tavernini **Gabriel**

SOFTWARE ENGINEER · COMPUTER SCIENCE AND ENGINEERING STUDENT

20 Years Old · Milan, Italy

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Education

PoliMi (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 (Weighted GPA: 29.37/30).
- 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 - Present*
- 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

FBK WebValley   *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.

AI Open Innovation Lab   *Trento, Italy*
DATA SCIENTIST   *Mar. 2019 - May. 2019*
- Worked on AI models to make queues at the pharmacy more appealing for the customers and profitable for the pharmacist.

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.

Volunteering

6 years	**Summer Camps**, Organized and volunteered at local summer camps	*Dro, Italy*
3 years	**Food Collection**, Collected food in my town for the local food bank	*Dro, Italy*

Intrests

Electronics	I love to tinker with an Arduino and some RC gear.
Hiking	Whenever I can I like to spend time in the mountains.
Climbing	I've been sport climbing for the past 6 years.