

Gabriel Tavernini

19 years old - Ceniga, TN

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Personal Profile

I'm a first-year computer engineering student at Politecnico di Milano. Throughout my school years I've achieved a wide variety of skills, above all I've acquired good knowledge and interest in many scientific fields of study, from Physics and Chemistry to Computer Science and Electronics. I'm now looking forward to improving my skills and developing new ones.

Education

Computer Engineering Bachelor - Politecnico di Milano (2020-Present)

I'm a freshman at Politecnico di Milano studying Computer Engineering.

Second Grade Secondary School - Itt M.Buonarroti (2015-2020)

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

Experience

Freelancer (2018-Present)

I've been working on the development of web based management software and websites for local companies. The technologies I've used most frequently are PHP, Node and MySQL.

WebValley (2019)

We analyzed ultrasound images, genetic data, and clinical information of thousands of patients as a part of a three week program. The Deep Learning frameworks developed during the project were presented to many important Italian figures, including the head of the Italian Space Agency Roberto Battiston and the President of FBK.

AI & Innovation Design (2019)

In collaboration with Istituto Artigianelli, FBK and Dompé, we aimed to integrate Design and AI to make queues at the pharmacy more appealing for the customers and profitable for the pharmacist.

Pro[M]Camp (2019)

A full immersion week in mechatronics promoted by FBK and Trentino Sviluppo to introduce students to Industry 4.0 and Machine Learning. Throughout the week we had the opportunity to attend different lessons by FBK's Researchers and industry leaders about Digital Signal Processing, Machine Learning, Cyber Security, IoT and Basic Networking.

Projects

Covid19 Stats (2020)

It's a simple and open source mobile app to visualize charts and insights on the current Covid-19 pandemic. It's developed using Flutter and FCharts. The GitHub repo has now more than 125 stars and many contributions from the community.

NeatJS (2019)

A JavaScript implementation of the "NeuroEvolution of Augmenting Topologies" algorithm with some demos made with p5.js and three.js.

Registro LampSchool (2018)

I've developed a cross-platform mobile app for LampSchool, an open source school register widely used by schools throughout northern Italy. With this project I've had the chance to gain experience with app deployment, maintenance and even support now that the app has an active user base of more than two thousand people.

Other projects that I've worked on are published on my GitHub profile (GabrielTavernini).

Skills

Linguistic

During high school I took a Cambridge English FIRST certification and did several study weeks abroad where most recently I was placed in a C1 level course. Overall I can confidently speak and understand English and Computer Science related technical language.

Technical

Through past experiences and day to day use I've gained a good knowledge of Unix-like Operating Systems and Git. During high school I've also followed a networking course and got a Cisco certification.

Programming

The programming languages I'm most confident with are Dart, JavaScript, Python, C#, C, C++, Java and PHP. I also have experience with frameworks and technologies such as NodeJs and Flutter.

Interests

Electronics

Since I was a kid I've been fascinated by electronics and to this day I still love to tinker with an Arduino and some RC gear. I've built my own FPV drone and RC car.

Climbing

I've been climbing for the past few years, both indoor and outdoor.