PIERVITO CREANZA

Computer Engineering Student

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in/Piervito github.com/PiervitoCreanza

PERSONAL PROFILE

Since childhood, I have always been passionate about computer science and its applications. Before starting a BSc in Computer Engineering, I began programming as a self-taught learner at the age of 14. Although I am deeply curious about how things work and the theory behind them, I am also a very pragmatic person who wants to translate knowledge into practice, working on personal projects trying to make everyday life a little easier.

SKILLS

Development: C, Java, Python, VHDL, PHP, SQL, HTML, CSS, JavaScript, Electron, Vue.js, Shell, Optaplanner.

Adobe Suite: Photoshop, Illustrator, Lightroom, Premiere, After Effects.

Others: WordPress, Final Cut Pro

EDUCATION

2021 - Present	**Politecnico di Milano**	**3.6/4.0 GPA**
	Bachelor's degree in Engineering Of Computing Systems.	
2016 - 2021	**Liceo Scientifico "Cosimo De Giorgi"**	**100/100 cum laude**
	High School, Scientific Studies Diploma.	

PROJECTS & OTHER ACTIVITIES

2024 - Present   **GenScore retraining project**   PiervitoCreanza/GenScore_retrain

Project concerning the retraining of GenScore, a generalized protein–ligand scoring framework based on machine learning. GenScore is a state-of-the-art model employed in drug discovery to calculate the affinity degree between proteins and ligands.

2023 - Present   **iFame**   Private Repo

Personal project about the meal scheduler optimization problem. The algorithm utilizes a categorized list of meals and strategically assigns them to the calendar while adhering to numerous configurable constraints. The project is developed in Java using OptaPlanner and relies on a MySQL database.

2024   **Git For Version Control**   Course website

University extracurricular course about Git.

2023   **R-Esisti Education - Electron app development**

Small desktop Electron app based on Vue.js to assist R-Esisti Education, a small child pedagogy center, in managing communications with their clients. The app sends a welcome email to new clients containing a link to a shared drive folder where they can upload files to share with the office.

2022 - 2023   **Home Server**

In-house Ubuntu server capable of hosting private websites, RESTful APIs, and various other small projects. Moreover, it functions as a home centre through Plex media server and Home Assistant. These services are orchestrated to run autonomously within isolated Docker containers.

2020 - 2022   **Liceo De Giorgi - Website development**   Website   PiervitoCreanza/orientamento.liceodegiorgi.edu.it

Website developed from scratch dedicated to new students of Liceo Scientifico Cosimo De Giorgi. The site is based on Jekyll and is constantly updated by non-developers through a headless cms and an auto-build feature based on Github actions.

2020 - 2021   **Google Meet Timer - Chrome extension**   PiervitoCreanza/GoogleMeetTimer

Chrome extension that gathered over 20,000 downloads and proved particularly useful during the COVID-19 pandemic. The extension added a timer feature to the Google Meet video conferencing platform, enabling users to better manage their time during meetings. In May 2021, I sold Google Meet Timer to a developer who was interested in integrating the product into their own extension.

2020 - 2021   **LiceaCard - Platform development**   Website   PiervitoCreanza/card.lecosimo.it

Web application developed to provide digital discount cards for selected local stores. The back-end is based on Google Firestore, while the front-end was developed from scratch. It is based on Vue.js and Google Authentication to ensure secure access to the platform.

| 2019 - 2021 | **LeCosimo.it - Developer** | 🌐 **Website** |

I worked as a developer for the student newspaper lecosimo.it. My role was to develop and maintain the website, its APIs and the internal services used by my collegues.

INTERNSHIPS

| Apr - Jul 2019 | **Junior Developer at CO.M.Media** | 🌐 **CO.M.Media** |

During my internship at CO.M.Media, I was introduced to SQL databases and PHP back-ends. After grasping the fundamentals, I actively assisted the development team in their daily tasks, contributing to the implementation of several websites.

HONORS & AWARDS

| 2023 | **Politecnico di Milano - Migliori Matricole Fondo Giovani** |

In January 2023, I was awarded the "Migliori Matricole Fondo Giovani" prize. To support equal opportunities and merit, Politecnico di Milano awards this prize to the best first-year students of each School. The prizes are awarded in the second year of enrollment based on academic performance during the first year of the Degree Course.

SOCIAL COMMITMENT

| 2021 - Present | **AVIS Blood Donor** |

LANGUAGE SKILLS

Italian - Native | **English** - FCE (B2 First)