

Mario Merlo

hello@mariomerlo.me
https://mariomerlo.me

Education

- **Politecnico di Milano** (2020 - 2023)
BSc Computer Engineering
- **Liceo Scientifico G. Parodi** (2015 - 2020)
Maturità Scientifica (100/100)

Projects

- **Python**
 - **PoliResourceBot** (<https://github.com/MrVideo/PoliResourceBot>): a Discord bot built with Python to retrieve resources such as notes and websites through inline commands. It uses the discord.py library and is hosted on my personal VPS.
 - **Spongebot Squarepants** (<https://github.com/MrVideo/Spongebot>): a Discord bot built with Python to convert strings into Spongetext, a string with randomised uppercase and lowercase letters. When it detects a user message, it deletes that message to send the same *spongified* message. It uses the discord.py library and is hosted on my personal VPS.
 - **Inflation Calculator** (<https://github.com/MrVideo/InflationCalculator>): a Python script that uses pandas to create a DataFrame from a .csv file containing inflation information and converts the Italian Lira to Euro and viceversa.
 - **Collatz Visualiser** (<https://github.com/MrVideo/collatz-visualiser>): a small Python script that applies the Collatz conjecture to a seed selected by the user and plots it through matplotlib.pyplot.
- **C**
 - **Turing Machine Simulator** (<https://github.com/MrVideo/turing-machine-exercise>): this is a small C program I wrote to check the correctness of an exercise. It simulates a 4-tape Turing Machine.
 - **SpongeText (C Version)** (<https://github.com/MrVideo/spongetext-c>): this is a remake of SpongeText that features a multiplatform *copy to clipboard* function, achieved through macros.
- **HTML/CSS/JavaScript**
 - **SpongeText** (<https://github.com/MrVideo/SpongeText>): a website to convert a string to spongetext. Made with HTML, CSS and JavaScript.
 - **My Portfolio** (<https://mariomerlo.me>): my portfolio and my web-CV. Here you can find a small summary of my experience, PoliResourceBot's documentation and a collection of my university notes.
- **Other technologies**
 - **LaTeXCalculus** (<https://github.com/MrVideo/LaTeXCalculus>): a LaTeX book about Calculus, based on my own notes from university, to help fellow students like me. Work in progress.
 - **Green Pass Shortcut** (<https://bit.ly/dgcshortcut>): An iOS shortcut to help Italian citizens retrieve and show their COVID Green Certificate more conveniently to authorities.

Activities

- **Che casino! Podcast Host** (2022 - Ongoing)
I started this podcast with my friend James for fun. We talk about anything, from internet culture and news to the differences between our own homelands.
- **Community Lead** (2021 - 2022)
Google Developer Student Club @ Politecnico di Milano
I was chosen as the new Lead at the end of Summer 2021 and I have been managing and growing the community since then.
- **Social Media Manager** (2020 - 2021)
Google Developer Student Club @ Politecnico di Milano
I was selected as a Core Team Member in October and helped grow the GDSC community through platforms like Discord, Instagram, Reddit and Medium.
- **r/LearningJapanese Discord Server** (2020 - Ongoing)
My mod team and I created this Discord server in order to help enthusiasts learn Japanese in a more social and friendly way. We are about to reach 1000 members now and the community is very close: we treat one another like family members.