

# Mario Merlo

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<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 *spongyfied* 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.
- **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

- **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.
- **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.