Lorenzo **Pegorari**

Largo Ostiano 5/A, Persico Dosimo 26043, Cremona, Italy

✉ lorenzo.pegorari2002@gmail.com | ⚰ September 3rd, 2002 | 🔲 LorenzoPegorari | 🔳 lorenzopegorari

Education

Polytechnic University of Milan   *Cremona, Italy*
Pursuing a Bachelor's Degree of Science in Computer Science and Engineering   *Sep. 2021 - present*

Scientific High School "Gaspare Aselli"   *Cremona, Italy*
High School Diploma in Scientific Studies, Graduated with 3.25/4.0 GPA   *Sep. 2016 - Jun. 2021*

Experience

Google Summer of Code 2025   *United States, Online*
GSoC'25 Contributor for the Open Source organization BRL-CAD   *May 2025 - Sep. 2025*
- Chosen among 1,280 accepted contributors against 15,240 participants (∼8.4% acceptance rate).
- Enhanced the lightweight object-oriented API MOOSE, enabling applications to easily interface with the Geometry Editing Library (libged).
- Developed a console widget for Arbalest, BRL-CAD's prototype GUI, giving users access to libged's commands.
- Engineered a new tree-based representation for geometry file objects, cutting file-opening time by an average of 66% (with peak optimizations over 97%) and significantly improving code clarity and maintainability.
- Technologies used: C, C++, Qt6.

Side Projects

PERSONAL PROJECTS

Simply Colorful - Theme for the note-taking application Obsidian   *Online*
Creator | Main developer | Main designer   *Oct. 2024 - present*
- This theme has gathered over 6000 downloads (as of August 16th, 2025).
- Technologies used: SASS, CSS, Grunt (JavaScript task runner).

Certificates

2020   **Cambridge English B2 First**, Grade A: CEFR Level C1   *ID: B2962291*
2019   **Cambridge English B1 Preliminary**, Grade A: CEFR Level B2   *ID: 196IT0600133*

Competitions

2023   **ITACPC 2023**, participated as a team of 3 people and placed 49th out of 218 teams   *Online*

Skills

Front-end	SASS, CSS3, HTML5, JavaScript
Software engineering	C, C++, Python3, Qt6
Other languages	RISC-V, MIPS, LaTeX
Softwares	Git, GitHub, Google Sheets, Microsoft Excel, Microsoft Word, Microsoft Powerpoint
Languages	Italian (Native), English (C1 Proficiency)