

# Lorenzo Pegorari

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## Education

### Polytechnic University of Milan

PURSUING A BACHELOR'S DEGREE OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING

Cremona, Italy

Sep. 2021 - present

### Scientific High School "Gaspere Aselli"

HIGH SCHOOL DIPLOMA IN SCIENTIFIC STUDIES, GRADUATED WITH 3.25/4.0 GPA

Cremona, Italy

Sep. 2016 - Jun. 2021

## Experience

### Google Summer of Code 2025

GSoC'25 CONTRIBUTOR FOR THE OPEN SOURCE ORGANIZATION BRL-CAD

United States, Online

May 2025 - Sep. 2025

- Chosen among 1,272 accepted contributors against 15,241 participants (~8.3% 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

CREATOR | MAIN DEVELOPER | MAIN DESIGNER

Online

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)