

BÉDEL Matéo



I'm a creative and motivated 22-year-old Maths & IT engineering student in my third year at **Ensimag**, in the **MMIS program**.

Curious learner, problem solver, I am seeking opportunities in 3D software engineering and graphic programming.

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mateobedel

mateobedel.github.io/portfolio

skills



Fr French (native)

En English (TOEFL C1 : 97/120)

C++ Java Python
C CMake Git

- Parallel programming
- Game development

studies



2023-2026 ENSIMAG - Grenoble

Maths & IT engineering school. MMIS program (Mathematical Modeling, Image, Simulation).

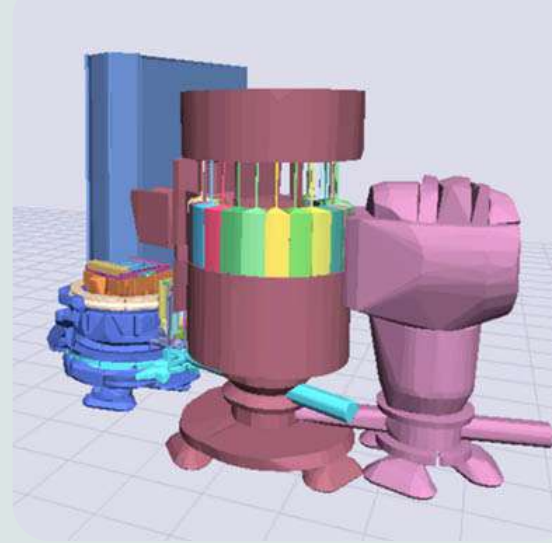
2025-2026 Chalmers - Gothenburg

Student exchange. Parallel computing, computer graphics, image processing.

2021-2023 Roosevelt CPGE MPI - Reims

Maths, Physics and IT preparatory school.

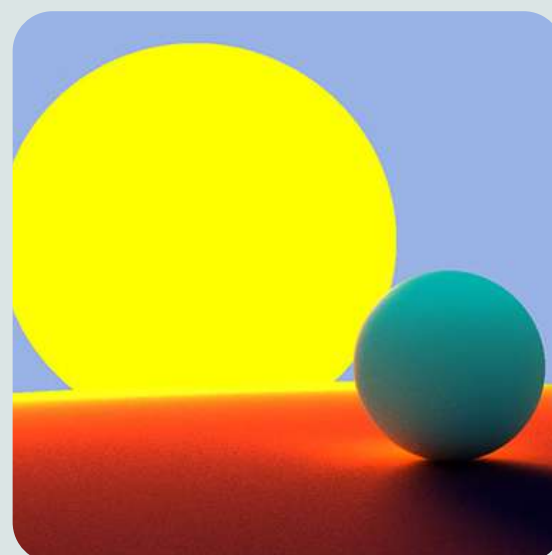
Projects



Collision detection engine 2025

Simulates complex robotic instrument movements and detects collision using NVIDIA PhysX API.

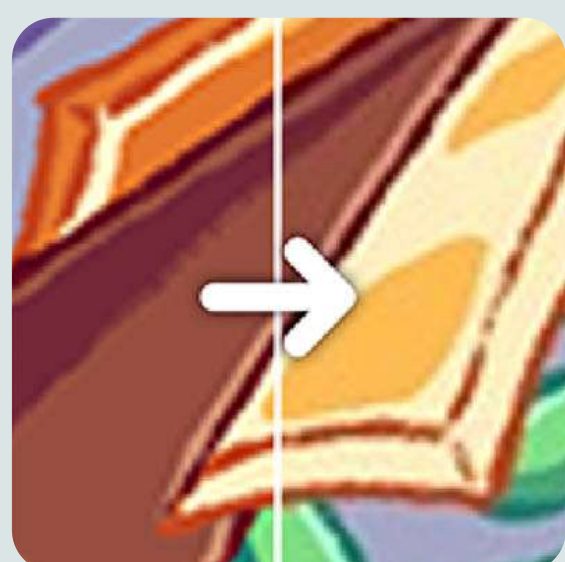
C++ CMake Python Git



Real-time raytracer 2025

Multithreaded real-time raytracer built in C++ with a graphical interface.

C++ ImGui



JPEG Encoder 2024

Image encoder from PPM to JPG. Use all the encoding fonctions of the JPEG format while being optimized.

C Makefile Git

- Epidemic propagation Automata C 2023
- Firefighting robot simulation Java 2024

+ More projects on : mateobedel.github.io/portfolio

Experiences



ILL software engineer internship 2025

3-month internship. Implemented an instrument experiment engine with collision detection and compared it to the existing engine.

Team working C++ CMake Python



Ensimag sport association 2024-2025

Organization and management of sportive and festive student events, partnership with companies.

Team working Event managements Visual communication



Freelance graphic designer 2017-2021

Sold graphic designs on Fiverr for content creators. Managed a youtube channel to promote my services.

Creativity Adaptability Communication

- E-commerce society co-founder 2021-2022
- School group projects on GitHub/GitLab 2023-2025