

Valentin BELOUGNE

Engineering Student — IT & Software Engineering

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PROFILE

Engineering student at EFREI, passionate about software development, artificial intelligence, and emerging technologies. Background combining strong technical skills, diverse professional experiences, and international exposure, building autonomy, rigor, and teamwork. Curious, committed, and motivated by concrete, high-impact projects.

EDUCATION

EFREI Paris – Panthéon-Assas University 2023 – 2028
Engineering Degree in Computer Science and Digital Technologies — Major: IT & Software Engineering
Engineering program following 2 years of integrated preparatory classes

Lycée Notre-Dame-Providence, Enghien-les-Bains 2023
General Baccalaureate — Specializations: Mathematics & Computer Science — Honors: Good

ENGINEERING PROJECTS

Rusty Painter | Rust, Egui, wgpu, Computer Graphics 2025
Developed a 2D graphics editor in Rust with a low-level rendering engine, layer management, and memory optimizations.

TodoSystem | Vue.js, Node.js, Express, REST API, Docker 2025
Full-stack web application for team and skills management: secure authentication, REST API, analytical dashboards, and notifications.

Transcript-ui | Python, Whisper, FFmpeg, Audio Processing 2024
Audio/video transcription GUI with real-time support, a dedicated CLI, and performance optimizations.

TECHNICAL SKILLS

Languages: C/C++, Rust, Python, Java, SQL, JavaScript
Web: Vue.js, React.js, HTML, CSS, REST APIs
Systems & Tools: Linux, Git, Docker, Bash, SSH, Cloud Computing
Software Engineering: Unit Testing, Debugging, Code Review, Performance Optimization
Domains: Computer Graphics, Audio Processing, TensorFlow / CNNs

PROFESSIONAL EXPERIENCE

Sales internship IDF Communication Jan. 2025
Introduction to B2B sales: selling printing solutions as a service, technical consulting, prospecting, and customer relations.

Operational internship Hospital porter Jul. 2024
Hôpital Simone-Veil, Eaubonne
Contributed to hospital logistics operations, internal flow coordination, and strict compliance with protocols.

IT internship Jun. 2020
NOLOSST
Discovered software development and professional technical environments.

INTERNATIONAL EXPERIENCE

University exchange — Concordia University (Canada) Aug. 2025 – Dec. 2025
Language stay — Munich Jul. 2025
Language stay — Berlin (Nacel) Jun. 2022
Language stay — Ireland (Nacel) Jul. 2019

LANGUAGES

French (native) — English (C1 / fluent) — German (B1 / intermediate)

INTERESTS

Gaming, computer graphics, digital creative arts — Sports: rowing, strength training, running, skiing — Tech watch: open-source systems, programming, Linux