



Alexandre Malfreyt

Seeking a computer engineering internship abroad (minimum 9 weeks)
between June and August 2026.



<https://alexandre.malfre.yt/>



/AlexZeGamer



/alexandre-malfreyt

+33 7 62 04 21 48



Longjumeau / Épinay-sur-Orge (91), France



alexandre@malfre.yt



Education

Polytech Paris-Saclay, Paris-Saclay University

2024 - 2027

Engineer Cycle, Computer Engineering (Apprenticeship)

Computer Science & Mathematics Engineering

- Advanced Programming (C++, Java, Python), Data Structures & Algorithms,
- Low-level architecture, Operating Systems, Compilation, Networks,
- Machine Learning & Data Science (Scikit-Learn, TensorFlow),
- Mathematics for Computer Science (Analysis, Probability, Statistics),
- Economics, Communication, Company Environment & Management, Contract Law, Eco-design

IUT d'Orsay, Paris-Saclay University

2022 - 2024

DUT in Computer Science

Application Development: Design, Development, Validation

- Programming & Algorithms (C++, Java, Python), Databases (SQL), Web Development (PHP, HTML, CSS, JS), UI/UX (C#),
- Software Engineering (Agile, UML, Design Patterns, Testing),
- Operating Systems & Networks (Linux, Raspberry Pi), Hardware Architecture (x86 Assembler),
- Mathematics (statistics, graphs, coding),
- Contract Law and Digital Law (GDPR)

Polytech Paris-Saclay, Paris-Saclay University

2021 - 2022

Integrated Preparatory Class in Engineering School

- Computer Science (C++, Python), Introduction to Machine Learning,
- Digital Electronics, Logic Problem Solving,
- Mathematics

LPO Gaspard Monge - Savigny-Sur-Orge

2018 - 2021

Baccalauréat général (High School Diploma) - With Highest Honors

Specialty in Computer and Digital Sciences and Mathematics - European English Section



Experience

Synchrotron SOLEIL (ISAC)

Oct 2024 - Sep 2027

Apprentice Engineer - Computer Engineering

Software development for integrated acquisition and control systems (Tango Controls),
Acquisition system maintenance and evolution (Flyscan), Migration from older systems to
Flyscan & custom development for beamline needs

Linutop

Apr - Jul 2024

Software Developer Internship

Developed a dynamic display and kiosk application for Linux environment on embedded
systems (Raspberry Pi)

3D-EXPERT.FR / Wanhao France

June-July 2022

Internship

Customer and technical support, Stock management and process automation via Google
Sheets, Logistical assistance



Projects

Advent of Code

2022-

Participation in programming challenges
each year in the form of an advent
calendar.

Home Automation Installation

2023-

Installation of a home automation system
with Home Assistant.

Personal Projects

Various small projects available on GitHub
and on my personal website.



Skills

Operating Systems

Windows, Linux

Programming Languages

Python, SQL, JavaScript, Java, C++, C#,
PHP, HTML, CSS

Software

Git (GitHub, GitLab), VSCode, Visual
Studio, Oracle, Figma, Notion, GIMP,
Autodesk Fusion 360

Tools & Frameworks

Tango Controls (PyTango, C++ Tango),
CMake, Conan, Git & GitLab/GitHub



Languages

French Native speaker

English Professional proficiency

📖 TOEIC Mock Test - Score: 970/990

Japanese Basic

📖 JLPT N5 scheduled : Dec 2025

German Basic