

Matthieu BASSET – Developer | Software Engineer

About me

Young 24 years old graduate, I have been passionate about science as long as I can remember, specifically about maths and programming. I get used to any situation and learn quickly. I always integrate effectively within teams in the joint projects in which I have participated.

Contact

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 Hauts-de-France, mobile

 [Matthieu Basset](#)

 [bassetmatt](#)

Skills

Advanced: **Python**, C, **C++**, **Rust**, git

Fair: Java, Shell, Qt, C#, typst/LaTeX, SDL, OpenGL

Basic Knowledge: HTML/CSS/JS

Daily use of Linux for more than three years

Soft Skills: Stress management, curiosity, active listening to instructions

Languages

 French: Native

 English: Fluent (C1)

 Japanese: Beginner (Hobby)

Hobbies

- Sports:
 - Climbing/Bouldering
 - Badminton
- Interested in Japanese culture

Miscellaneous

- Driving License
- Bac S with distinction (french high school diploma)

EDUCATION

Polytechnique Montréal – Master's Degree (M.Eng.) in Software Engineering

2022–2025

Dual degree as part of my engineering studies. Strengthened my computer science and programming skills, particularly through introductory courses in artificial intelligence, computer graphics, data mining, multimedia applications, and the application of artificial intelligence to video games.

ISAE Supaero (Toulouse) – Engineering Degree (MSc)

2020–2025

Engineering degree, Java/C projects, applied mathematics. Elective computer science courses: Functional languages, information theory, evolutionary algorithms, optimization, Monte Carlo methods. Knowledge of aeronautics and aerospace.

Lycée Saint-Louis (Paris) – Classe Préparatoires aux grandes écoles

2018–2020

MPSI-PSI*. Intensive theoretical courses in mathematics and physics.

EXPERIENCE

BETA Technologies – End of studies internship

September–December 2024

Development of applications in Python using the Qt framework. Design of algorithms. High level of autonomy in work tasks.

Laboratoires ISAE-SUPAERO – Research Internship

May–July 2022

Work on developing encryption for a nanosatellite, creating a communication interface for a test bench in Python. Working on embedded C code.

Actual Arras (Temporary employment agency) – Company discovery internship

July 2021 – 4 weeks

Temporary worker registration. Management of requests from companies and temporary workers.

STUDENT ASSOCIATIONS

Oronos Polytechnique – Club member (Avionics Team)

2023–2024

Writing drivers for sensor cards in Rust (adaptation of C++ code).

Supaero Computer Science Club – Club member

2021–2022

Introduction to Linux, started to design a fighting game in C++.

Supaero Space Section – Team Manager (Project Aether)

2020–2022

Project trajectory manager, team management. Design/programming of embedded code in C for an amateur rocket.