

# RAYANE GETA

Engineering student majoring in Mechatronics  
and Observation Systems & AI

Looking for a six-month internship, available from March 14<sup>th</sup>, 2025

## Contact Information

🏠 France

☎ +33763570092

✉ rayane.geta@gmail.com

🌐 [linkedin.com/in/rayane-geta](https://www.linkedin.com/in/rayane-geta)

## A Languages

French (Native language)

English (Professionally proficient)

Spanish (Basic conversation)

## 🖥 Technical Skills

### Software development

(Languages & development tools)

C, C++, C#, Java, Python, JavaScript,

CSS, HTML5,

TIA Portal (STEP 7 and WinCC)

### Advanced numeric computing platform and simulation

MATLAB, Simulink, LabVIEW, Amesim

### CAD (mechanics and electronics)

SolidWorks, 3D Experience, Altium,

KiCad

### Collaboration Tools

Git, GitHub, JIRA, Confluence

## Interests

### Hip-Hop Dance

- Favourite styles : Animation, Popping
- Practice in public (alone or in group)

### Shell Eco-Marathon 2022

- Main Pilot | Urban Concept

### Video game development

- Vehicles physics simulation
- Casual games

### Mechatronics and DIY

- Domotics | Robotic
- App development | Web

## Personal projects

### Pan-Tilt Tracker • Robotics

DIY 2-axis motorized smartphone holder for automatic video recording with visual servoing feature.

- Tools : Android Studio, OpenCV, Tensorflow, Arduino, SolidWorks, MATLAB

**Experience gained:** Deep Learning, System Control, Image processing

### Vehicle simulator • Video game

Open world car and vehicle video game simulator

- Tools : Unity 3D, Visual studio Community, Blender, Google SketchUp

**Experience gained:** Car physics, Game development, and 3D graphics.

### Website for kinesiologist • Web development

Frontend development of a kinesiologist's website.

- Tools : Visual Studio Code, GitHub, Hostinger

**Experience gained:** UI-UX Responsive Web Design

## Professional experiences

### Assistant Engineer • Drone Design • Internship

April 2024 – August 2024 – Aerix Systems - Bordeaux, France

- Developed visual odometry for an omnidirectional drone.
- 3D vision and neural network deployment.
- Real-time application on an embedded board using C++.

**Key skills:** Computer vision and localization, Software development.

### Mechatronic engineering • Machinery manufacturer • Internship

May. 2023 – August. 2023 – France, Albi – CRITT Automatisations & Robotique

- HMI software development
- Mechanic and electric design, machining

**Key skills:** Teamwork, Self-directed work, PLC software development, Industrial mechanic design.

## Education

### Master of Engineering - Observation Systems and Artificial Intelligence (Penultimate year)

2023 - PRESENT • Machine learning, Remote sensing, Data Science

- National Institute of Advanced Technologies of Brittany (ENSTA Bretagne)

### Master of Engineering - Mechatronics

2021 - 2023 • Mechanics, Electronics, System control, Robotics

- National Graduate Engineering School of Limoges (ENSIL-ENSCI)