


# THÉO RODRIGUES


Second-year Engineering Student in  
Electronics and Embedded Systems


Seeking an international engineering internship


Available for a 4-month internship starting May 26, 2025.

 21 years old - FRANCE

 31400 Toulouse

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 car license

 rodrigues6631@gmail.com

## Education

### ● High school

Notre-Dame de Bon Secours  
PERPIGNAN FRANCE  
2018 - 2021

High School Diploma with a focus  
in Mathematics and Chemical  
Physics

### ● Engineering school

CESI TOULOUSE FRANCE  
2021 - 2023

Preparatory class with a  
specialization in Electronics and  
Embedded Systems

### ● Engineering school

CESI TOULOUSE FRANCE  
2023 - 2026

Major in Electronics and  
Embedded Systems

## Language

**French** : Native

**English** : B1 Proficient (TOEIC 700)

## Diploma

Federal Tennis Initiator **Diploma**

**Aeronautics** initiation certificate

**Bachelor's degree** in mathematics  
and chemical physics

## Hobbies

Tennis, Hiking, Vidéo, Traveling  
Physical exercise, Rugby, Football,  
Gym, Reading, Art, Music, Swimming

## Experience

### APPRENTICE TESTS MEANS ENGINEER AIRBUS AIRCRAFT - TOULOUSE 2023 - 2026

- Developed a Python-based GUI to convert CSV and XML files
- Developed test reports and procedures to verify communication protocols on avionics test benches.
- Conducted research to optimize power efficiency on test benches level by implementing connected PDUs.

### INTERNSHIP EMBEDDED SOFTWARE ENGINEER LID TECHNOLOGIES - TOULOUSE April - july 2023

- Conducting software validation for a universal pressure sensor to ensure reliability and performance.
- Crafting detailed test plans and comprehensive test reports.
- Developing a robust software tailored for TPMS sensor functionality.
- Analyzing LF and RF frequencies to optimize sensor data transmission and reception.

## Skills

### Software Skills (Python, C++, SQL, etc..)

- Proficient in computer skills, including SQL, Arduino, Python, and Linux, with a strong foundation in embedded systems.
- Experienced with a range of electronics and engineering software, such as Logisim, Scilab, LTspice, Revit, Fusion 360, and KiCad.

### Hardware Skills (PCB design, signal amplification, CAD, etc...)

- Experience with component dimensioning, CAD modeling, PCB design, and electronic system development, enhancement, and maintenance.
- Skilled in coding with C++, C, and Python, along with Linux-based programming.
- Proficient in signal amplification, modulation, and the application of filters for optimized system performance.

## References

Portfolio



LinkedIn



<https://nookse.github.io/Portfolio/>