

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, Pycharm, VS Code, 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/>