



João HEMPTINNE

Double competence
Applied mathematics engineer
Sales engineer


SUMMARY

Applied mathematics engineer, plurilingual and curious, studying business development and sales engineering, I offer my double competence to companies planning to expand abroad.

CONTACT

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LANGUAGES

French:	Native
Portuguese:	Native
English:	Fluent (C1)
Spanish:	Intermediate
German:	Beginner

INTERESTS

Musical education and projects

- Piano - 10 years of practice
- Deejay: student and official events
- Music producer: projects released with labels

Tennis Training and Volunteering

- Member of the Tennis Club Castanet-Tolosan (TCCT) committee
- Passed the second tennis trainer degree in February 2023, training since 2012
- Captain of the TCCT 3rd team (2022), and INSA 1st tennis team (2019-2020)
- Best French ranking: 15

EXPERIENCE

2020- 2023
Toulouse,
France



CS Group, Space Project Engineer

CDI, 3 years of experience

- Technical referent, R&T project: automated river segmentation algorithm for the SWOT mission
- R&T project participation: river bed roughness coefficients calculation using IOTA² maps
- Technical support and development for the SWOT space mission (launched on Dec. 2022)
- Technical support for the PEPS platform, designed to process and download Sentinel 1 and 2 products

February-July
2020
Toulouse

Internship, 6 months

Contributed to a research project, calculating river widths from pixel clouds produced by the Landsat 8 and Sentinel-2 satellites

July-September
2019
Toulouse



CESBIO, Space Project Engineer

Internship, 3 months

Contributed to a research project, applying wavelets analysis on time series, in order to study tropical forests from Guyana

August 2017
Boavista Island,
Cape Verde



Turtle Foundation, Volunteer

Volunteering, 1 month

Contributed to an environmental protection project, which main objective was the local turtles conservation, under threat of hunting and important human presence in the ocean and on the beaches

EDUCATION

2023-2024
Toulouse,
France



Specialized Masters of Industrial Sales Engineer for international development (MSIAI)

National Institute of Applied Science (INSA)

2015-2020
Toulouse,
France



Engineering degree of applied mathematics (5 years)

National Institute of Applied Science (INSA)

2017
Leicester,
England



One term Erasmus exchange, Department of Mathematics

University of Leicester