

# THOMAS CANISARES-MORÈRE

## Engineering Student in HPC & Big Data

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Toulouse, France

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Looking for a 2-month internship for summer 2026.

## PROFESSIONAL EXPERIENCE

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### Intern – Manufacturing Engineering

#### TE Connectivity

Summer 2025 (2 months)

Toulouse

**Expected outcome:** reduction of false rejects generated by an HTGB machine equipped with an AOI camera.

- Development of Python scripts and SQL queries;
- Process analysis: Principal Component Analysis (PCA), boxplots, control charts, histograms/Cp/Cpk;
- False reject detection: One-Class SVM clustering (OC-SVM);
- Discovery and handling of an AOI camera and the statistical analysis software JMP.

**Skills developed:** data analysis, manufacturing engineering, teamwork, Python, SQL.

## ACADEMIC PATH

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Engineering Degree in Computer Science and Telecommunications (HPC & Big Data specialization)

#### Toulouse INP – ENSEEIHT

2024 – 2027

Preparatory Classes for Engineering Schools (MPSI/PSI)

#### CPGE Bellevue, Toulouse

2022 – 2024

French Baccalaureate – Highest Honors

#### Lycée Déodat de Séverac, Toulouse

2022

## ACADEMIC PROJECTS

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Object Technology Project (ENSEEIHT - First Year)

#### Development of a Stock Market Simulator

2025

Java, UML, Agile methods

Independent Supervised Research Project (TIPE - CPGE)

#### Simulation and optimization of French billiards

2023 – 2024

Python

## COMPUTER SKILLS

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Python

SQL

Java

C

Ada

Matlab

Microsoft Office

UML

HTML

## LANGUAGES

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French (native)

English (B2)

## ADDITIONAL INFORMATION

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Driver's License

Judo (+12 years)

Renovation of a family house

Reading

Cinema