Théo Jeanmart

Engineering Student in Robotics & AI

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Profile

French engineering student seeking an internship to further develop technical skills, gain practical experience, and contribute to innovative projects in the automotive industry. Passionate about mobile robotics, ROS, and autonomous systems.

Education

2024–2027 **Master's Degree in Engineering**, *UPSSITECH, University of Toulouse*, France
Major in Robotics, Computer Science and AI.

2022–2024 **Undergraduate Preparatory Classes (CUPGE)**, *University of Toulouse*, France
Intensive program in Mathematics, Physics and Computer Science.

2019–2022 **French Baccalaureate**, *Lycée Pierre Bourdieu*, Fronton, France, Highest Honors
Specialization in Mathematics and Computer Science.

Technical Skills

Robotics	ROS (Robot Operating System), Robotic Kinematics, Mobile Robotics, Estimation
Programming	Python, C++, C, Java
Software	Git, Visual Studio Code, IntelliJ / Eclipse, Autodesk Fusion
Languages	French (Native), English (C1 - Advanced), Spanish (A2 - Elementary), Swedish (Native)

Projects

2025–2026 **Vision-based Autonomous Navigation**, *TLSE Racing - Formula Student*
- Development of a vision-based autonomous navigation system for a Formula Student car.
- Implementation of path planning and perception algorithms for racing conditions.

2024–2025 **Autonomous Mobile Platform**, *Academic Project*
- Assembling and programming of a mobile robotic platform from scratch.
- Development of control software (C++/Python) for autonomous movement.

2024 **Smart Rolling Shutter**, *Academic Project*
- Creation of a remotely controlled motorised shutter system.
- Hardware integration and software control implementation.

Work Experience

Summer 2023 & 2024 **Warehouse Operative**, *Décathlon (E-commerce Logistics)*, Montbartier, 4 months
- Preparing customer orders, stock replenishment, and sorting.
- Managing errors and ensuring workflow efficiency in a fast-paced environment.

Certifications

Universal Robots e-Series Application Track, Core Track, Pro Track

Interests

Automotive Motorsports enthusiast (Formula 1, WEC), strong interest in vehicle dynamics and autonomous driving technologies.

Sports Judo (10 years of practice, Brown belt), sailing, table tennis