



CONTACT

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STRENGTHS

- Rigor
- Curiosity
- Dynamism
- Autonomy
- Teamwork
- Result-oriented

SKILLS

- Microsoft Office Suite
- CAD Software (CATIA V5, TopSolid, FUSION 360)
- 3D Printing: Ultimaker CURA, Orca Slicer
- CAE Software : ABAQUS, Comsol Multiphysics
- Python

LANGUAGES

French: Native

English: B2/C1 Cambridge

German: B1 KMK

INTERESTS

Fitness

Automotive

3D Printing

MAXIME PECQUEUR

JUNIOR MECHANICAL & R&D ENGINEER

PROFESSIONAL PROFILE

Graduating Mechanical Engineer from UTBM (specializing in Simulation & Optimization), seeking an entry-level position September 2026. I combine strong theoretical CAE expertise with hands-on industrial pragmatism (DfM, 3D printing, Poka-Yoke) gained through R&D and methods internships. Driven by complex challenges, I am eager to contribute to your innovative projects within your engineering teams.

PROFESSIONAL EXPERIENCE

FINAL YEAR R&D ENGINEER INTERN

TSCHOEPPE

02/2026 – 07/2026 | Hoerdts, 67120, France

- 3D CAD modeling and technical development of new product lines (gates, carports, railings) from initial concept to detailed drafting.
- Standardization of mechanical subsystems and design of assembly jigs (Poka-Yoke, 3D printing, machining) to optimize and secure workshop production.
- Creation of 3D renderings and comprehensive assembly instructions for B2C deployment and e-commerce platforms.

MECHANICAL ENGINEERING INTERN

INEOS AUTOMOTIVE

09/2024 – 02/2025 | Hambach, 57910, France

- Ergonomic optimization of workstations during pre-start phase: workflow analysis and line-side reorganization.
- CAD Design and 3D prototyping of mounting jigs (Poka-Yoke) to secure and optimize the assembly process
- Process standardization: Updating operating procedures to guarantee quality compliance upon restart.

EDUCATION

Engineering Cycle, Mechanical Engineering and Design Department – University of Technology of Belfort-Montbéliard

09/2023 – 07/2026 | Sévenans, France

ERASMUS Exchange Semester – Warsaw University of Technology

02/2025 – 06/2025 | Warsaw, Poland

Integrated Preparatory Cycle – University of Technology of Belfort-Montbéliard

09/2021 – 06/2023 | Sévenans, France

PROJECTS

R&D Project: Ultrasonic Friction Stir Welding (UFSW)

Participated in the R&D optimization of the UFSW welding process by analyzing thermal and mechanical parameters to improve weld quality and material strength.

3D Printing & Material Testing (Belfort Lion Project)

Managed the resin 3D printing of a large-scale model and conducted environmental tests on resin specimens to evaluate the material's outdoor durability.