

# SIMON BOUDINSKI

Mechanical Design Engineer



27 years old



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## LANGUAGES

- English *B2 (TOEIC 910 PTS)*
- Professional English
- Espagnol *B1 / Chinese A1*

## SKILLS

- Project management
- Motivated
- Passionate
- Reliable
- Adaptability
- Team spirit

## SOFTWARE

- CATIA V5/V6  
*Volumetric/Surface area*
- SOLIDWORKS
- SOLID EDGE
- STARCCM+
- WINTAX
- MATLAB-SIMULINK
- SUITE OFFICE

## CENTRE OF INTEREST

- Motocross (12 years)
- Tennis (10 years)
- Padel (1 year)
- Running (4 years)
- Karting (leisure)
- Motor sports

## EXPÉRIENCE

### **SOCOFER - St Pierre Des Corps (37)**

**Mechanical Design** (6-month assignment)

06/2025 -12/2025

- Design of a train cabin for railway track maintenance (Mechanically welded structure, sheet metal work, machining, integration of commercial components).

### **SPARK RACING TECHNOLOGY - Tigery (91)**

**Mechanical Design → Project Coordinator** (~3 years)

2023- 2025

→ **Mechanical design of competition vehicles:** 3D/2D design (carbon parts/mechanical welding/sheet metal work/bending/machining/3D printing).

- Extreme E (Electric) : Responsible for mechanical developments. Project manager (50%) for the conversion of the Extreme E into a hydrogen vehicle.
- Vehicle design: Extreme H (Hydrogen).
- Responsible for integrating the next generation of Formula E (gen4) rims and prototyping on the gen3 mulecar.
- **Project Coordinator: Formula E (gen4).**
- Creation and updating of tools necessary for project monitoring. Organisation of and participation in meetings with key project stakeholders.
- Liaison between various stakeholders: Internal (French: Design Office/Logistics-Purchasing) and External (English: Dallara, Marelli Motorsport, Podium Motosport, etc.).

### **Official Yamaha GMT94 Team - Neuville de Poitou (86)**

**Mechanical Design/Data Analysis** (6-month internship)

2022

- Participation in the SuperSport 600 World Championship, race data analysis, performance improvement in collaboration with the rider, mechanical design, 3D/2D prototyping.

### **BARAT - Contres (41)**

**Mechanical Design** (Internship: 6 months + 2 fixed-term contracts of 2 months)

2018- 2021

- AMLD CAF Project: Project manager for the design of a train cabin access door: From design to production, working closely with the client and suppliers.

## STUDIES

**ESTACA - Specialised Master's degree, Bac +6** Laval (53)

2021-2022

- **Motorsport Engineering Performance** : Exploitation of vehicle performance data, Vehicle dynamics, Aerodynamics, Chassis, Tyres, Engine, Simulator and track testing (FFSA), Formula 2 Pit Stop test bench design project, DAMS (F2), Le Mans (72)

**HEI - Engineering Degree, Bac +5**, Lille (59)

2016-2021

- **Specialisation in Mechanical Design:** CAD, CAM, Structure and Material Selection, Power Transmission, Structural Design, Finite Element Analysis, Fluid Mechanics (CFD).