

Martin Saulnier

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EDUCATION

Arts et Métiers Institute of Technology (ENSAM)

Sept 2024 - Jul 2025

Combined BS × MS Engineering Degree

Bordeaux, France

- Mechanical/Electrical/Industrial Engineering : Design, Manufacturing, Fluid Dynamics, Thermodynamics, Material Science, Supply Chain.
- Ranked top 10% (97th / 1150 Students) | **GPA 3.8/4.0**

Preparatory Program, Lycée Jules Haag

Sept 2022 - Jul 2024

Classe préparatoire aux grandes écoles

Besançon, France

- Elite track in Physics & Engineering Sciences | **GPA 4.0/4.0**
- Advanced Mathematics, Physics, Mechanical Engineering

PROFESSIONAL AND LEADERSHIP EXPERIENCES

Quality Manager

Jan 2025 - Present

AMJE Bordeaux

- Led the quality control process for ongoing research studies, ensuring compliance with AMJE standards and industry regulations.
- Conducted quality assessments and provided recommendations for process improvements, optimizing workflows and reducing errors.
- Trained and mentored new team members on quality control procedures and best practices for maintaining high-quality standards in research projects.

Nuclear Industry Worker Internship

June 2025 - July 2025

Arabelle Solutions (EDF Group)

- Immersed in the rotor assembly line of a world-class nuclear turbine manufacturer.
- Improved and organized Foreign Material Exclusion (FME) zones to enhance safety compliance.

ENGINEERING PROJECTS

Wind noise suppression in ski helmets using Lock-in Amplifier, Undergraduate Project

Jul 2023 - Jul 2024

- Reproduced and demonstrated the use of synchronous detection with basic electronic components (filters, multiplier, function generator).
- Applied lock-in amplifier techniques to eliminate noise from the input signal, achieving a clean and audible output signal.
- Designed and miniaturized the electronic circuit to fit within a ski helmet for real-world deployment.

Python-Based Slack Bot for Consulting Club AMJE Bordeaux, Personal Project

Apr 2025

- Created a system to aggregate and organize all relevant study documents, centralizing them in one accessible platform.
- Implemented automated checklists and task tracking to ensure all steps in the study process are completed efficiently.

SKILLS

- Languages: **French (Native)**, **English (Fully operational)**, **Spanish (Fully operational)**, **German (Intermediate)**
- Programming languages : Python, LaTeX, SQL
- Software : 3DX, ABAQUS

PASSIONS

- Sports and Leisure : **Soccer** (10 years with **competitions**), **Skiing** (8 years), **Gymnastics** (13 years at a **national level**), **Electric Guitar** (performing with my school's band at events)
- Linguistics & Travel: Passionate about cultural studies. Studied English for 15 years, Spanish (mother tongue), Latin (3 years), Italian (1 year), and traveled to **8 countries**.