# **BIECHE ADÉAS MATYS**

**Engineering Student in Mechatronics & Robotics** 

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#### **SKILLS**

### **Programming**

Experienced



Familiar

🥃 C++ | 🥃 C# | 🔃 Fortran

### **Tools/Applications**

◆ Matlab | 

★ CatiaV5 & SolidWorks

Visual Studio | STM32 STM32CubeIDE

Pack Office | Ps Photoshop

#### Linguistics

English (C1) - oral and written fluency

German (C1) - oral and written fluency

Chinese (A1-A2) - basic notions

### **EDUCATION**

### SeaTech Toulon Engineering Elite School — 2023 - 2<sup>nd</sup> Year

Student

- Functional analysis of systems
- Sensors, vision, actuators, instrumentation, cyberphysics
- Digital engineering, programming and object-oriented mechatronic simulation
- CAD, manufacturing
- Smart factory, industrial production management
- Land & Underwater robotics
- Electronics Networks, embedded computing
- Human Science, Economics, Management, Accounting

## Intensive preparation course for Elite Schools— 2020 - 2023

Training in Mathematics, Physics, Engineering Sciences & Computer Science

#### Scientific Baccalaureate &

**Abitur**— 2017-2020

With highest honours | Abitur 1.4

### **ACHIEVEMENTS**

2024 CROUS Short Story second place RoboCup 2024 Fifth Place in Middle Size League

Dassault UAV Challenge 2024 Fifth Place

#### **EXPERIENCE**

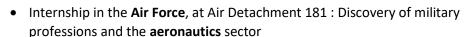
# ROBOT CLUB TOULON | Active Member | 2023 - Today

- Robot Club of Toulon from Toulon University
- Participation at the Robocup 2024
- Worked on the **SLAM** (simultaneous localization and mapping) using different **ICP** (Iterative closing points) approaches
- Testing robots. Experimenting and proposing ideas
- Wiring, Assembly, Laser Cutting

### AEROTECH | Mechatronics Engineer | 2023 - Today

- **Building a Tilt-Rotor VTOL**
- **DASSAULT UAV CHALLENGE** 2023/2024
- **Mechanics & Embedded Electronics**
- Al Recognition (Jetson Nano / JeVois)
- CAD using CATIA V5
- BDE CPGE LLL (non-profitmaking organization) | President | 2022-2023
- Role in close **collaboration** with the administration, **teamwork**, decision-making
- Events (Telethon, group outings, integration evening, sale of goodies, buffet, etc.) budget management, communication
- Sponsorship of a child via the Aïna enfance & avenir association: Support and monitoring of the child
- York Lubricants | Production Worker Intern | 2024
- Filling and packaging of oils/liquids and other products with production machines in compliance with safety instructions
- Provision of engineering skills and knowledge
- Discovery of a production line. Reflection and work on its **automation**
- Employee of the month
- Teamwork in the kitchen or at the counter during rush hours, stimulating environment. Cleaning in the dining room or in the sink
- Speed, efficiency, seriousness, responsibility
- Maintaining workplace hygiene

### 数 Others | Mul | Since 2018



- Exhibitor for Papangue ULM during the BA181 open days in honor of **Roland Garros**
- Class Representative





RoboCup

