



BIECHE ADÉAS MATYS

Engineering Student in Mechatronics & Robotics

657, Avenue du 1er BIMP, Résidence Le Fenouillet - bat. FEN, logement 114

83 130 La Garde

☎ : 06 92 00 19 99 (+262)

✉ : adeasbieche@gmail.com

SKILLS

Programming

Experienced

Python | C

Familiar

C++ | C# | Fortran

Tools/Applications

Matlab | CatiaV5 & SolidWorks

Visual Studio | STM32CubeIDE

Pack Office | 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 - 2nd 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 | Robotics Engineer | 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**
- **AI 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 | 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**



McDonald's | Area Manager | 2023 - Today

- **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

Others | Multiple experiences | Since 2018



- Internship in the **Air Force**, at Air Detachment 181 : Discovery of military professions and the **aeronautics** sector
- Exhibitor for **Papangue ULM** during the BA181 open days in honor of Roland Garros
- Class Representative