BIECHE ADÉAS MATYS

Engineering Student in Mechatronics & Robotics

Minor in Security & Defense

4 months internship starting April 2024

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



Familiar

🕝 C++ | 🤪 C# | 🕌 Java | 🔃 Fortran

Tools/Applications

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

French – Mother tongue

EDUCATION

SeaTech Toulon, School of

Engineering— 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 distinction | Abitur 1.4

ACHIEVEMENTS

- 2024 CROUS Short Story second place
- RoboCup 2024 Fifth Place in Middle Size
- Dassault UAV Challenge 2024 Fifth Place

REFERENCES

References available upon request

EXPERIENCES

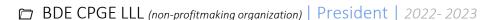
ROBOT CLUB TOULON | Robotics Engineer | 2023 - Today



- Worked on the **robotic arm** of the Goalkeeper
- Worked on the **SLAM** and different **ICP** approaches
- Worked on filtering Lidar points
- Testing robots. Experimenting and proposing ideas
- Wiring, Assembly, Laser Cutting

AEROTECH | Mechatronics Engineer | 2023 - Today

- Built a Tilt-Rotor VTOL
- **DASSAULT UAV CHALLENGE** 2023/2024
- Mechanics & Embedded Electronics
- Al Recognition (Jetson Nano)
- CAD using CATIA V5



- 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



DASSAULT UA

- Provision of engineering skills and knowledge
- Discovery of a production line. Reflection and work on its automation

← McDonald's | Team Leader & Trainer | 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

- Nasa Open Science certificate
- Student ambassador & class representative
 - Internship in the French Air Force: Discovery of military professions and the aeronautics sector
 - Exhibitor for Papangue ULM during the BA181 open days in honor of **Roland Garros**





