

# TIMM CLAVERIE

» I am seeking an engineering Robotics/Mechatronics internship in a company abroad. «

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## References :

Catherine Marchandé  
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### Status:

Master's Degree, Engineering student, two-year Bachelor's Degree in advanced mathematics


### Field:

Mechatronics, Robotics, Embedded Systems, Security and Defence, Computer Science, Dataset Machine Learning and Underwater Acoustics

### Tools:


LaTeX, Matlab , SolidWorks , PostgreSQL ,  
Python , JAVA , C++ , ROS , GAZEBO



### Activities:



ToulonRobotClub , Triathlon, Diving, Watersports

## EXPERIENCE

### Research Projects, MSc (University of Toulon - Seatech Engineering School)

**Engineering Internship in Naval Aviation (Military Design) :** Unit : CEPA/10S. 06/2025-07/2025  
Applied engineering principles to military design challenges within naval aviation. Acquired practical knowledge of model aircraft, defence/security protocols and systems. 

**Optimisation of Maritime Surveillance for CS GROUP - AI Image Processing**  
Project : Developed an adaptative database and a Human-Machine Interface (HMI) for an AI system, using Python. Demonstrated skills in dataset management and AI application.   03/2025-06/2025

**Underwater Acoustics & Signal Processing :** Studied target kinematics by measuring the similarity of noisy and Doppler-shifted signals. Implemented distance evaluation and comparison methods using the sliding scalar product.   2022-2024

**Quantum Information :** Kronecker Product Defense. Approach to Pauli matrices, Bell states and state entanglement. 04/2024-06/2025

### French Navy Reservist (Toulon Base)

2022 - Today

Lifeguard at the Cap Brun Centre, postmaster of the Defence Base Support Group

### SNSM Volunteer Lifeguard (Association)







2021 - Today

Summer period: Atlantic, The Channel, Mediterranean. Year-round : Volunteer first-aid responder on land or at sea



## EDUCATION

### Engineering student, MSc (Seatech La Garde)

2024 - 2027

**Mechatronics and robotics course**, road vehicle dynamics classes, electronics, terrestrial and marine robotics, computer-aided design (CAD) , programming (ROS , GAZEBO , , , ) , marketing, project management

**Focus "Security and Defence" :** Military conferences on technological innovations and geostrategy

**Additional course AI Workshop :** Machine Learning, work on Kaggle and Google Colab  
Languages:  (nativelanguage),  (B2), TOEIC exam in February 2026 for C1 certification

### Advanced mathematics degree (University of Toulon)

2022 - 2024

Enhanced Mathematics Degree: Additional courses in Physics and Engineering Sciences

### Qualifications

Rescue : BNSSA, SSA, PSE1, PSE2, Class B licence, Coastal licence, Restricted Radiotelephony Certificate, Level 1 diving qualification