

# TIMM CLAVERIE

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

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## References :

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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  , PostGresSQL  , 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. 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.  

- 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.  

- Quantum Information** : Kronecker Product Defense. Approach to Pauli matrices, Bell states and state entanglement.

### French Navy Reservist (Toulon Base)

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

### SNSM Volunteer Lifeguard (Association)

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

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

**Mechatronics and robotics course**, road vehicle dynamics classes, electronics, terrestrial and marine robotics, computer-aided design (CAD)  , programming (ROS  , Python ,  ,  ), 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:   (native language),  (B2), TOEIC exam in February 2026 for C1 certification

### Advanced mathematics degree (University of Toulon)

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

## EDUCATION