

# Julien DAMERS

PhD Candidate in  
Marine Robotics

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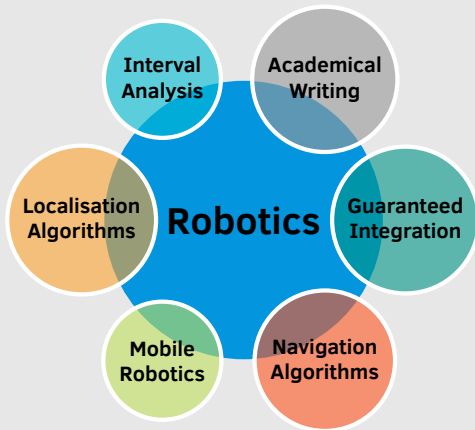


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## Skills



## Languages

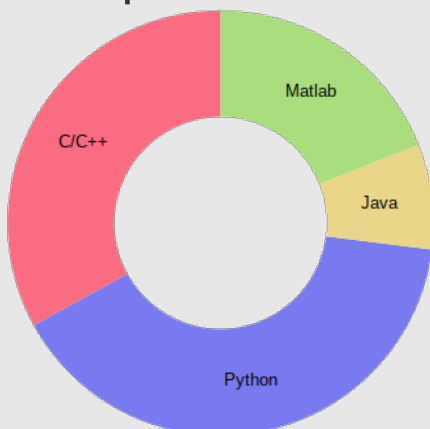
French

English

German

Chinese

## Computation



## Experience

Jun 2019 -  
Present

### PhD Candidate

Kopadia / ENSTA Bretagne)  
Nantes / Brest , France

- Thesis: Enhancing Autonomous Underwater Vehicles (AUV) localisation using guaranteed integration
- Research on guaranteed integration for large initial condition (paper under review)
- Development of a new navigation method for low-cost AUVs

Oct 2018 -  
May 2019

### Research Engineer

ENSTA Bretagne  
Brest, France

- Teaching mobile robotics courses at ENSTA Bretagne
- Research on isobath following algorithms for Autonomous Underwater Vehicles (AUV)
- Member of the team competing at the European Robotics League competition in Sevilla (February 2019)

## Research

May 2018 -  
Aug 2018

### Postgraduate Research Dissertation

Heriot-Watt University  
Edinburgh Scotland

- Design and development of a low-cost, low-energy optical underwater communication system. Received AWE prize of HWU for outstanding performance

Jun 2017 -  
Aug 2017

### Engineering Assistant

Åland University of Applied Science  
Mariehamn, Åland Islands

- Design of a wingsail
- Development of a simulator for AS-Pire sailboat
- Development of a controller to regulate speed and navigation of AS-Pire

## Education

Sep 2017-  
Sep 2018

### MSc. RAIS, Robotics, Autonomous and Intelligent Systems

Heriot-Watt University  
Edinburgh, Scotland  
Top Postgraduate student of EPS school 2017-2018  
(Watt Club Medal)  
*Specialisation: Marine Robotics*

Sep 2015 -  
Sep 2018

### French Engineering Diploma in Embedded Systems

ENSTA Bretagne  
Brest, France  
*Specialisation: Robotics*

## Hobbies

- Rugby player at a competitive level (2nd line, back row)
- Diving (autonomous diver 20m / supervised diver 40m)