

Julien DAMERS

PhD, Robotics Engineer

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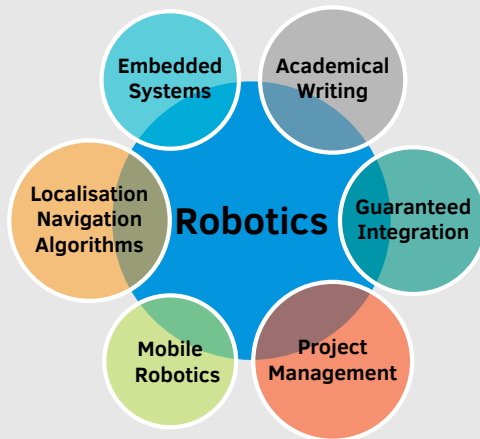


damers.org



julien@damers.org

Skills



Languages

French



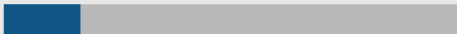
English



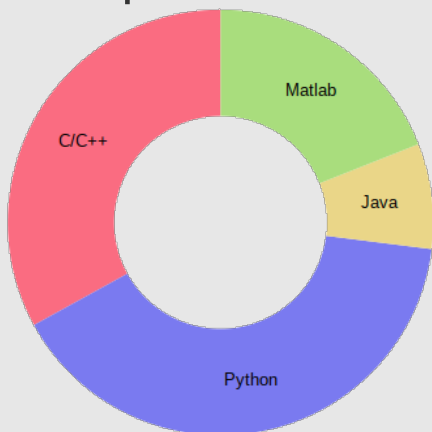
German



Chinese



Computation



Experience

Oct 2022 - Present

Robotics engineer

Pixel sur Mer
Lorient, France

- In charge of EXOS system development for the Vendée Globe 2024 race
- Teacher at ENSTA Bretagne, in charge of the class robotics project "Imoca" for master students 2022-2023

Jun 2019 - July 2022

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

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

- Boxing, bouldering
- Diving (autonomous diver 60m)