

Cédric Dubois

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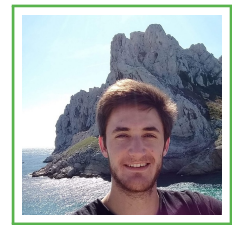


Image Processing – Machine Learning

Education

- 2019 - present **Ph.D student, image processing and machine learning applied for marine biology. Supervisor : Éric Debreuve.** Université côte d'azur – laboratoire d'Informatique Signaux et Systèmes de Sophia Antipolis (I3S) – Inria – Morpheme team.
- 2018 - 2019 **Second year of Master, Signal processing *Interactions Physique Signaux Image (IPSI)*, École Centrale Marseille,** Aix-Marseille Université.
- 2017 - 2018 **Second year of Master, Astrophysics and Astronomy, Laboratoire d'Astrophysique de Marseille (LAM),** Aix-Marseille Université,.
- 2016 - 2017 **First year of Master, Physics,** Aix-Marseille Université.
- 2013 - 2016 **Bachelor's degree, Physics,** Aix-Marseille Université.

Experiences

- March - July 2019 **Research internship at I3S with É. Debreuve :** *"Detection using Deep Learning of copepoda orientation from one single snapshot and a 3-D model"*.
- March - June 2018 **Research internship at l'Institut de Recherche en Astrophysique et Planétologie (IRAP) with N. Bouché :** *"Analysis of the rotation of distant spiral galaxies using 3D tools : A study on the measure of the angular momentum of $z \sim 1$ galaxies with Mock data in VLT-MUSE conditions"* coauthor of [N. Bouché et al. 2021](#).
- April - June 2017 **Research internship at Centre de Recherche Astrophysique de Lyon (CRAL) with J. Blaizot and L. Michel-Dansac :** *"Study of the galactic wind observables with the tool RASCAS"*.
- June - July 2016 **Research internship at Laboratoire d'Astrophysique de Marseille (LAM) with O. Ilbert and I. Davidzon :** *"Modeling the nebulae emission in the galaxy spectrums."* coauthor of [I. Davidzon et al. 2017](#) and [S. Saito et al. 2020](#).

Teaching

- 2019-2020 IUT R&T (Networks and Telecommunications) – Digital transmission systems
- 2019 - 2021 IUT QLIO (Logistics) – Programming

Skills

Python	Expert	Fortran 90	Advanced
C++	Advanced	Git	Advanced
Matlab	Advanced	L ^A T _E X	Expert

Languages

French	Native language	English	Advanced (level CECRL C1)
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Personal interests

Photography and music
Mountain biking, climbing and hiking