

Hugo TRENTESAUX

Résumé

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Born April 13, 1995



Education

- 2016-2017 **University Paris-Saclay, University Paris-Diderot, Paris, Orsay.**
Master in biophysics (statistical physics, soft matter)
- 2014-2016 **Institut d'Optique Graduate School (IOGS), Palaiseau – Paris.**
School in optical engineering (laser, image processing, electronics, photonics)
- 2014-2015 **Paris-Sud University, Paris-Saclay.**
BS in fundamental physics
- 2012-2014 **Lycée Buffon, Mathematics and Physics, Paris.**
Selective national program for entering a French Grande École (CPGE)

Professional experience

- 2017 spring **Internship at Jussieu, Univeristy UPMC– Paris.**
Behavioural study of the zebrafish larvae vestibular reflex in the Jean Perrin lab, Volker Bormuth
- 2017 winter **Internship at École Normale Supérieure, ENS – Paris.**
Work on DNA micromanipulation through SDI in the biophysics lab, V.Croquette
- 2016 summer **Three months internship in Boston University, BU – Boston.**
Prototyping a new ultrasound imaging technique in the biomicroscopy laboratory, J.Mertz
- 2015-2016 **Physics teaching in MPSI, Lycée Buffon – Paris.**
Oral tutor for undergraduate CPGE program
- 2014-2015 **Applied research on laser, Charles Fabry laboratory, IOGS.**
Prototyping of a monomode semi-conductor laser, frequency stabilized

Language

French Native English Fluent German Intermediate

Computer skills

- 2015 **Founder and chairman of an informatics-robotics club, IOGS.**
Team working on computer science and robotics
Matlab, C, \LaTeX , Linux, Python, Solidworks

Music

- 2014-2016 **Orchestra, École Polytechnique – Palaiseau.**
Cello (9 years), Piano (2 years), Oboe (1 year)

Scout and Humanitarian work

- 2016 **BAFA**, national youth animation certificate.
- 2003-2016 **Scout**, and then camp organizer for about thirty children.
- 2011-2013 **Humanitarian project, Madagascar.**
Building a cultural exchange project (18000€ funding) with scouts in three Malagasy cities in July-August 2013