

Hugo TRENTESAUX

Résumé

20 rue Nélaton
75015 Paris France
☎ +33 6 49 88 18 21
✉ hugo.trentesaux@upmc.fr
🌐 <https://trentesaux.fr>
Born April 13, 1995



Professional experience

- 2018 current **PhD, Laboratoire Jean Perrin, Sorbonne Univeristé – Paris**, Volker Bormuth.
Multisensory integration in zebrafish larvae brain
- 2017 spring **Internship, Laboratoire Jean Perrin, Univeristy UPMC– Paris**, Volker Bormuth.
Behavioural study of the zebrafish larvae vestibular reflex
- 2017 winter **Internship, École Normale Supérieure, ENS – Paris**, Vincent Croquette.
Work on DNA micromanipulation through SDI in the biophysics lab
- 2016 summer **Internship, Boston University, BU – Boston**, Jerome Mertz.
Prototyping a new ultrasound imaging technique in the biomicroscopy laboratory
- 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

Education

- 2018 winter **Algorithmique répartie, Collège de France**, Rachid Guerraoui.
Theoretical framework of distributed computing
- 2017 winter **DLDIY Deep learning lecture, ENS – Paris**, Florent Krzakala.
Theoretical introduction on deep learning and practical use of pytorch
- 2016-2017 **SBCP Master in biophysics (rank: 2nd), U. Paris-Saclay, U. Paris-Diderot**.
Statistical physics, soft matter, microbiology, introduction to neurosciences...
- 2014-2016 **IOGS Institut d'Optique Graduate School, Palaiseau – Paris**.
School in optical engineering (laser, image processing, electronics, photonics)
- 2014-2015 **BS in fundamental physics, Paris-Sud University – Orsay**.
Quantum mechanics, special relativity, statistical physics
- 2012-2014 **CPGE Mathematics and Physics, Lycée Buffon, Paris**.
Selective national program for entering a French Grande École

Computer skills

C, Julia, Python, Rust, GNU/Linux, Git, Django