

Hugo Trentesaux



After a PhD in neurosciences at the LJP lab, I worked as a research engineer at CESBIO lab. Because of my interest in ecology and democracy, I started working full time on a long-term side-project with great social and ecological significance.

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📅 Born April 13, 1995
📍 Strasbourg, France



🔧 Experience

2023 - current	Software engineer for Duniter free software community	Contributing to Duniter v2 blockchain ecosystem
2021 - 2022	Research engineer at CESBIO - Toulouse, Mathieu Fauvel	Developer for lota2 software, remote sensing chain
2018 - 2021	PhD, Laboratoire Jean Perrin - Paris, Volker Bormuth	Multisensory integration in larval zebrafish (summary , fr)
2017 spring	Internship, LJP - Paris, Volker Bormuth	Behavioural study of zebrafish vestibular reflex
2017 winter	Internship, LPS - Paris, Vincent Croquette	Work on DNA micromanipulation through SDI
2016 summer	Internship, Biomicroscopy Lab - Boston, Jerome Mertz	Electronics engineering and ultrasound imaging prototyping
2015 - 2016	Physics teaching in MPSI , Lycée Buffon - Paris	Oral tutor for undergraduate CPGE program
2015 July	Webmaster for DAMAE Medical - Paris, Anaïs Barut	Website for a startup, laureate of the WIC
2014 - 2015	Applied research on laser, LCF - Palaiseau, GLL	Prototyping of a monomode semi-conductor laser
2011 Dec.	Internship, MSC - Paris-Diderot, Stéphane Perrard	Experiments and analysis in fluid mechanics
2009 April	Internship, Palais de la Découverte - Paris	One week of discovery of science popularization

🎓 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, U. Paris-Saclay, U. Paris-Diderot	Statistical physics, soft matter, microbiology, introduction to neurosciences...
2014 - 2016	IOGS Institut d'Optique Graduate School - Palaiseau	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/Coding

2017 - current	Duniter project member	Active member of a crypto-UBI project
2022 November	Hackathon, Bordeaux	Hackathon on Duniter v2 ecosystem
2022 May	Hackathon, Sisteron	Hackathon on Duniter v2
2021 April	Hackathon, Toulouse	Hackathon on Duniter ecosystem
2019 October	Rustkathon, Toulouse	Rust hackathon on Dunitrust project
2015	Founder of an informatics-robotics club, IOGS	Team working on computer science and robotics

Langages

Rust Julia Python C

Software

GNU/Linux Git

Web

HTML CSS JavaScript

Design

GIMP Blender Inkscape

🎵 Music

2014 - 2016	Orchestra, École Polytechnique - Palaiseau - Paris.	Orchestra of the Saclay Campus
2012	Baccalauréat Music	Music analysis and music performance - Jury distinction
	Cello 9 years	Piano 2 years
		Oboe 1 year

⊕ Other

2016 April	BAFA	National youth animation certificate
2003 - 2016	Scout	Scout and then camp organizer
2011 - 2013	Humanitarian/Solidarity	Cultural exchange project with scouts in Madagascar (18,000€ funding)