

# 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

2025	<i>coming soon</i>	
2023 - 2024	Sponsored developer for <a href="#">Duniter</a> free software	Software engineer for <a href="#">Duniter v2</a> project
2022 - 2023	Volunteer for <a href="#">Duniter</a> and <a href="#">Monnaie Libre</a> community	Contributor to Duniter blockchain <a href="#">ecosystem</a>
2021 - 2022	Research engineer at <a href="#">CESBIO</a> - Toulouse, Mathieu Fauvel	Developer for <a href="#">lota2</a> software, remote sensing chain
2018 - 2021	PhD, <a href="#">Laboratoire Jean Perrin</a> - Paris, Volker Bormuth	Multisensory integration in larval zebrafish ( <a href="#">summary</a> , fr)
2017 spring	Internship, <a href="#">LJP</a> - Paris, Volker Bormuth	Behavioural study of zebrafish vestibular reflex
2017 winter	Internship, <a href="#">LPS</a> - Paris, Vincent Croquette	Work on DNA micromanipulation through SDI
2016 summer	Internship, <a href="#">Biomicroscopy Lab</a> - Boston, Jerome Mertz	Electronics engineering and ultrasound imaging prototyping
2015 - 2016	Physics teaching in <a href="#">MPSI</a> , Lycée Buffon - Paris	Oral tutor for undergraduate <a href="#">CPGE</a> program
2015 July	Webmaster for <a href="#">DAMAE Medical</a> - Paris, Anaïs Barut	Website for a startup, laureate of the WIC
2014 - 2015	Applied research on laser, <a href="#">LCE</a> - Palaiseau, GLL	Prototyping of a monomode semi-conductor laser
2011 Dec.	Internship, <a href="#">MSC</a> - Paris-Diderot, Stéphane Perrard	Experiments and analysis in fluid mechanics
2009 April	Internship, <a href="#">Palais de la Découverte</a> - Paris	One week of discovery of science popularization

## 🎓 Education

2018 winter	<a href="#">Algorithmique répartie</a> , Collège de France, Rachid Guerraoui	Theoretical framework of distributed computing
2017 winter	<a href="#">DLDIY</a> Deep learning lecture, ENS - Paris, Florent Krzakala	Theoretical introduction on deep learning and practical use of <a href="#">pytorch</a>
2016 - 2017	<a href="#">SBCEP</a> Master in biophysics, U. Paris-Saclay, U. Paris-Diderot	Statistical physics, soft matter, microbiology, introduction to neurosciences...
2014 - 2016	<a href="#">IOGS</a> 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, <a href="#">Lycée Buffon</a> - Paris	Selective national program for entering a French Grande École

## >\_ Computer/Coding

2024 March	<a href="#">RML18</a> , Laval	Hackathon on Duniter v2
2022 November	Hackathon, Bordeaux	Hackathon on Duniter v2
2022 May	<a href="#">RML16</a> , Sisteron	Hackathon on Duniter v2
2021 April	Hackathon, Toulouse	Hackathon on Duniter ecosystem
2019 October	Rustkathon, Toulouse	Rust hackathon on Dunitrust project

Langages	Software	Web	Design
<a href="#">Rust</a>	<a href="#">TypeScript</a>	<a href="#">Python</a>	<a href="#">Julia</a>
<a href="#">GNU/Linux</a>	<a href="#">Git</a>	<a href="#">HTML</a>	<a href="#">CSS</a>
<a href="#">VueJS</a>	<a href="#">GIMP</a>	<a href="#">Blender</a>	<a href="#">Inkscape</a>

## 🎵 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

2022 - 2024	BASE	Member of <a href="#">labasetoulouse.fr</a>
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