
Education

- 2016 – (2019) **PhD, INRIA (Paris).**
Protocols for robust treatment of quantum information by superconducting circuits
- 2012 – 2016 **B.Sc and M.Sc. in Physics, École normale supérieure (Paris).**
Master ENS-ICFP (*International Centre for Fundamental Physics*)
Quantum mechanics, Numerical Physics, Statistical Physics
- 2014 – 2015 **B.Sc. in Computer Science, École normale supérieure (Paris).**
Algorithms, Compilation, Formal languages, calculability and complexity, Robotics, Systems and networks, Categories
- 2010 – 2012 **French Classes préparatoires aux grandes écoles, Lycée Privé Sainte-Geneviève.**
Mathematics, Physics, Chemistry
- July 2010 **Baccalauréat (French secondary school diploma), Clermont-Ferrand.**
Science major, option mathematics, obtained with honors

Experiences

- 2016 **Master 2 internship, EPI QUANTIC, Inria (Paris).**
Study of a Josephson junctions based circuit used to stabilize a manifold of quantum states for quantum error correction
- 2015 **6 months internship at Wandercraft, Wandercraft, Paris.**
Critical and realtime software development (MISRA), optimization of realtime performance for the control of an exoskeleton.
- 2014 **5 months theoretical internship in Physics, BEC Center, Trento, Italia.**
Theoretical study of the hybridization phenomenon between first and second sound in Bose-Einstein condensates, supervised by Pr. S. Stringari and Pr. L. P. Pitaevskii.
- 2012 - 2014 **Oral examiner in Lycée Sainte-Geneviève and Lycée Henri IV.**
Oral examiner in Physics in *Classes Préparatoires aux Grandes Écoles*.
- July 2013 **5 weeks experimental internship, Institut d'Optique, Palaiseau.**
Experimental internship on laser locking by beat note method in the gigahertz domain (30GHz), supervised by Pr. David Clément.
- 2011 **Webmaster of the Lycée Sainte-Geneviève website.**
The website of the institution is managed by students. I was the webmaster during 2011.
- 2010 **Olympiades nationales de la chimie.**
French chemistry competition. Ranked 1st in my district and 12th at the national competition.
- Summer 2009 **Conception of a new website for the GFP.**
I set up a new website for the French national scientific society *Groupe Français d'études et d'applications des Polymères (GFP)*.

Languages

- French Mother tongue
English Read, written, spoken
Spanish European A2 certified level. Equivalent B1 now.

Skills

- Computer science Algorithms, Compilation, Formal languages, Systems and networks, Robotics, Scientific computation
- Programming Python, C, C++, OCaml
- Office \LaTeX and Office suite
- Web xHTML, CSS, PHP, JS, Markdown
- OS Linux, Windows

Interests

- Guitare Practiced for 12 years.
- Programming Actively involved in *open-source* developments (<https://github.com/phyks/>)
- Hacking* Member of the ÉNS *hack-lab*, hackEns (<http://hackens.org/>) and realization of many projects. Participation in the Coupe de France de Robotique, a french robotic cup, in 2013. The team was ranked 42nd out of 146 challenging teams. Participation in the CitizenWatt (<http://citizenwatt.paris>) project, supported by Paris city hall.
- Epistemology History of sciences.
- Internet Administration of a private server to self host some personal websites and services (e-mails, ...) since july 2012.