

# Emmanuel RODRIGUEZ

PhD at INRIA Grenoble Rhône-Alpes

655 Av de l'Europe  
38330 Montbonnot Saint Martin  
☎ 04 76 61 52 00  
✉ emmanuel.rodriguez@inria.fr  
26/11/1995

## Education

- 2020-now **PhD in computer science**, *Direct and inverse modeling of laser-cut meta-materials*, Université Grenoble Alpes/LJK/INRIA.
- 2019-2020 **Master's degree**, *Theoretical computer science*, École Normale Supérieure de Lyon.  
and  
2017-2018
- 2018-2019 **Gap Year**, *Sport and first aid in an alpine environment, baker training*, Briançon.
- 2016-2017 **Bachelor's degree**, *Theoretical computer science*, École Normale Supérieure de Lyon.
- 2013-2016 **Classe Préparatoire aux Grandes Écoles**, PCSI-PC\*.  
Lycée Champollion Grenoble
- 2013 **Baccalauréat scientifique SVT spécialité mathématiques**, Lycée J.B. Dumas, Alès.

## Teaching (tutorials)

- 2020-2021 **ENSIMAG**, *Basic Numerical Methods*, 2 groups, 33h.  
and  
2021-2022 L3, second semester
- 2021-2022 **UGA (PeiP: Polytech integrated preparatory cycle)**, *Automata and Languages*, 1 group, 27h.  
L2, first semester

## Research Internships

- 2020 **INRIA Grenoble**,  
5 month internship : Direct and inverse modeling of lasercut meta-materials.  
Internship directors : Mélina SKOURAS , Stefanie HAHMANN and Georges-Pierre BONNEAU
- 2018 **University of Hawaii at Manoa**,  
3 month internship : Analysis of bank conflicts in GPU's.  
Internship director : Nodari SITCHINAVA
- 2017 **Laboratoire d'Informatique de Grenoble**,  
6 week internship : Tools for the analysis of large random systems.  
Internship director : Nicolas GAST

## Computer science and language skills

### Computer science

Fields	Algorithmic, Probability, Computer's architecture, Compilation, Deep Learning, Turing machine/Automate, Semantic	Languages	C, C++, Python, Caml, CUDA
OS	Linux, Windows	Tools	Git, L <sup>A</sup> T <sub>E</sub> X, Emacs.

### Language

English	Level B2 at the Cambridge Advanced
Spanish	Level A2, LV2 in college

## Hobbies

Musical instrument	Guitar
Sport	Racing Bike, Climbing, Ski touring