

# Emmanuel RODRIGUEZ

PhD at INRIA Grenoble Rhône-Alpes

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## Education

- 2020-now **PhD in Computer Science**, *Direct and inverse modeling of laser-cut meta-materials*, Université Grenoble Alpes/LJK/INRIA
- 2017-2020 **Master's Degree in Computer Science**, *École Normale Supérieure de Lyon*  
Topic : Theoretical computer science
- 2013-2016 **Classes Préparatoires PCSI-PC\***, *Lycée Champollion*, Grenoble
- 2013 **High School Diploma in Science**, *J.B. Dumas*, Alès

## Teaching (tutorials)

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

## Research Internships

- 2020 **Direct and Inverse Modeling of Laser-cut Meta-materials**, INRIA, Grenoble, 5 month  
Internship directors : Mélina SKOURAS , Stefanie HAHMANN and Georges-Pierre BONNEAU
- 2018 **Analysis of Bank Conflicts in GPU's**, *University of Hawaii at Manoa*, USA, 3 month  
Internship director : Nodari SITCHINAVA
- 2017 **Tools for the Analysis of Large Random Systems**, *LIG*, Grenoble, 6 week internship  
Internship director : Nicolas GAST

## Publication

- June 2022 **Computational Design of Laser-Cut Bending-Active Structures**,  
Emmanuel Rodriguez, Georges-Pierre BONNEAU, Stefanie HAHMANN and Mélina SKOURAS,  
Computer-Aided Design, 103335

## Computer science and Programming skills

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

## Languages

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

## Hobbies

Musical instrument	Guitar
Sport	Racing Bike, Hiking, Ski touring