Emmanuel RODRIGUEZ
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Education

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

Teaching (tutorials)

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

Research Internships

2020	**Direct and Inverse Modeling of Laser-cut Meta-materials**, *INRIA*, Grenoble, 5 mounth 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 mounth 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 Best Paper of the Symposium on Solid and Physical Modeling 2022 conference

Computer science and Programming skills

Fields	Inverse Design, Physical-based modeling, Algorithmic, Probability, Computer's architecture, Deep Learning	Languages	C, C++, Python, Caml, Java, Html, PhP
OS	Linux, Windows	Tools	Git, LaTeX, Visual Studio Code.

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