



**Roberto ORLANDO**

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## EDUCATION

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PhD in Quantum Physics, Toulouse	2020 - 2023
Master 2 Fundamental Physics, Toulouse	2019 - 2020
Master 2 Condensed Matter and Nanophysics, Strasbourg	2017 - 2018
Master 1 Physics, Strasbourg	2015 - 2016
Bachelor in Physics, Strasbourg	2014 - 2015
Classe Préparatoire aux Grandes Ecoles, Strasbourg	2011 - 2014
High School degree in Science, Strasbourg	2010 - 2011

## INTERNSHIPS

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Teaching in engineering school (2 years)	INSA Toulouse
Master 2 computational physics internship	LCPQ Toulouse
Master 2 computational physics internship	IPCMS Strasbourg
Bachelor computational physics internship	IPHC Strasbourg

## CERTIFICATES

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Certificat IBM Introduction to Web Development with HTML5, CSS3, and JavaScript

Certificat IBM Python for Data Science Project

## TECHNICAL STRENGTHS

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**Programming** Python, Mathematica, JavaScript, C++,  $\text{\LaTeX}$

**Machine Learning** Linear/Lasso/Logistic Regression, Decision Trees, Ensemble Methods, SVM

**Deep Learning** Pytorch, Tensorflow, Keras, CNN

**Tools** Spyder, Jupyter, Visual Code Studio

## LANGUAGES

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**Mother Tongue** French

**Others** English (TOEIC 775), Italian

## PUBLICATIONS

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R. Orlando, P. Romaniello, and P. F. Loos, Adv. Quantum Chem. 88 (2023) 183-211.

R. Orlando, P. Romaniello, and P. F. Loos, J. Chem. Phys. 159.18 (2023)