

JORDY PALAFOX

Mathematics and IA Lecturer

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📍 Pau, FR

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EXPERIENCE

Mathematics and IA Lecturer

CY Tech

📅 October 2022 – Ongoing

📍 Pau, FR

- Full-time (384 h /year)

Research Engineer in AI

Green AI UPPA

📅 Sept. 2021 – Sept. 2022

📍 Pau, FR

- Research on consumption reduction methods in Deep Learning
- Application in Adaptive Learning with the partner Prof en Poche

Mathematics Lecturer

CY-Tech (ex EISTI)

📅 Sept. 2020 – Déc. 2021

📍 Pau, FR

- 2019-2020 : 256h, 2020-2021 : 101h25

Post-doctoral Fellowship

Laboratory of Engineering Sciences for the Environment

📅 2018 – 2019

📍 La Rochelle, FR

- Research on Noether's theorems and generalized symmetries

UPPA

📅 2016 – 2018

📍 Pau, FR

- Teaching Assistant L1 Maths and MIASHS

EDUCATION

Data Scientist training

OpenClassRooms - Centrale Supélec

📅 Sept. 2020 – May 2021

📍 Pau, FR

PHD in Mathematics, PHD

University of Pau (UPPA)

📅 Sept. 2015 – August 2018

📍 Pau, FR

Study and applications of combinatorics (mould calculus) and geometrical (Lie symmetries) methods in dynamical systems, web geometry, numerical analysis and normalizing series

Master Mathematics, Modeling and Simulation

UPPA

📅 2013 – 2015

📍 Pau, FR

PUBLICATIONS

📄 Reviewed scientific journals

- J.Palafox, & J.Cresson. (2019). Isochronous centers of polynomial hamiltonian systems and a conjecture of jarque and vil-ladelprat. *Journal of Differential Equations*, 266, 5713–5747.

👥 Proceedings

- Palafox, J., & Cresson, J. (2018). Lie algebras and geometric complexity of an isochronous center condition. In *Mono-grafias matemáticas "garcia de galdenao"* 41 (pp. 75–83).

For preprints, see my page.

ORAL COMMUNICATIONS

- MAS days in Rouen, 2022
- Team seminars at Green AI
- 12 talks in conferences since 2016

SKILLS

Programming and informatics

- Linux, Windows
- Python, R, Maple, Scilab, Matlab
- HTML, CSS, Markdown
- LaTeX
- Github, AWS, Heroku

Classical Machine Learning librairies

Tensorflow, Keras, PyTorch, Sklearn, Streamlit ...

OTHERS ACTIVITIES

Mathematicum member,

- Popularization of mathematics from primary school to university
- Events for the general audience (science village) or more specific public (Math.en.Jeans MathC2+)
- Environment jury of Data Challenge 2022

LANGUAGES

French : Mother tongue

English : FCE Cambridge certificate

