



Rodrigo Schaefer

Applied Mathematician



Lloret de Mar, Spain



<https://schaeferrodrigo.github.io/>



rodrigo.schaefer@protonmail.com



Rodrigo Schaefer



Rodrigo Schaefer

Technical Skills —

C++

GIT

Latex

Linux

Machine Learning

Microstrategy Desktop

PowerCenter BI

Python (Numpy, Scipy, Pandas,
TensorFlow)

R

SQL

Talend

Unity

C#

Key Competences

Collaborative problem solving

Lecturing

Logical Thinking

Professionalism

Teamwork

Willingness to learn

Writing reports and proposals

Professional Profile

I am an Applied Mathematician specializing in teaching theoretical and computational courses. I have a strong background in research, particularly in the field of Dynamical Systems. My experience includes conducting numerical and theoretical analyses utilizing programming languages and technology to explore complex mathematical concepts.

Professional Experience

09/24-current	Assistant Professor in Applied Mathematics and Programming School of new interactives technologies (ENTI-UB)	Spain
11/21-08/24	Assistant Professor in Computational Mathematics Uniwersytet Jagielloński (UJ)	Poland
03/22-08/22	External collaborator - Director of master's thesis Universidad Internacional de la Rioja	Spain
03/22-08/22	Freelancer - Didactic material author Universidad Internacional de la Rioja	Spain
08/19-08/21	Postdoctoral researcher in Mathematics Uppsala Universitet (UU)	Sweden
02/19-07/19	Solutions assistant (Junior Consultant in ETL) everis	Spain
09/14-07/18	Ph.D Project/thesis Universitat Politècnica de Catalunya (UPC)	Spain
03/14-08/14	Temporary Lecturer Universidade Federal do Rio de Janeiro (UFRJ)	Brazil
03/12-05/14	Master project/thesis Universidade Federal do Rio de Janeiro (UFRJ)	Brazil
03/09-12/11	Teaching assistant Universidade Federal do Rio de Janeiro (UFRJ)	Brazil

Education

2014-2018	Ph.D. in Applied Mathematics <i>Global instability in Hamiltonian systems</i>	UPC
2012-2014	M.Sc. in Mathematics N-body dynamics on surfaces: An example for two bodies	UFRJ
2008-2011	B.Sc. in Mathematics	UFRJ

Awards

2021 - 2024	SciMat grant (Excellence Initiative - Research University) - UJ
2019	Esseen, L and C-G, for mathematical studies fellowship - UU
2014 - 2018	CNPq Scholarship - PhD
2013 - 2014	FAPERJ Scholarship/ Aluno nota 10 - Master
2012 - 2013	CNPq Scholarship - Master

Languages

Catalan



English



Portuguese



Spanish



(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Courses

Courses

2024	Advanced Learning Algorithms DeepLearning.AI via Coursera.org
2024	Supervised Machine Learning: Regression and Classification DeepLearning.AI via Coursera.org
2019	Microstrategy desktop everis
2019	PowerCenter/BI everis
2019	SQL y PL/SQL everis
2019	Introduction to Data Science in Python University of Michigan via Coursera.org
2016	Getting and Cleaning data John Hopkins University via Coursera.org
2016	R programming John Hopkins University via Coursera.org
2015	Introduction to Python Centre de Recerca Matemàtica (CRM)

Professional Affiliations and Commissions of trust

Research groups

2021-current	Dynamical Systems and Geometry with applications in gravitational dynamics and incompressible fluids group Researcher
2019-2021	CAPA - Computer-aided proof in Analysis group Researcher and seminar organizer
2017-2018	Laboratory of Geometry and Dynamical Systems Researcher
2014-2018	UPC Dynamical Systems group Researcher

Referee and Reviewer of scientific journals

Regular and Chaotic Dynamics
International Journal of Bifurcation and Chaos
SIAM Journal on Applied Dynamical Systems
Mathematical Reviews/MathSciNet

Personal Information

+info: With work permit in Spain
Hobbies: Traveling, learning a new skill.
Nationality: Brazilian

References

Available upon request.