CELIA RUBIO-MADRIGAL

celrm.github.io	celia.rubio-madrigal@cispa.de	in celia-rubio-madrigal
EXPERIENCE		
Doctoral researcher – CISPA Hel	nholtz Center for Information Security	2023-now
– Group: Relational Machine Lea	ning Lab 🔗. Supervisor: Dr. Rebekka Burkholz	
Teaching assistant / Laboratory	lemonstrator — University of Strathclyde	Jan-Apr 2023
- "CS310 Foundations of Al" for	Year 3 BSc Computer Science. Lecturer: Dr. A	Andrew Abel.
EDUCATION —		
PhD in Computer Science – Univ	ersität des Saarlandes (Saarbrücken, Germany)	2023-now
	Iniversity of Strathclyde (Glasgow, UK) – 8.57/10 (dation Postgraduate Fellowship. Earned the De	,
•	ersidad Complutense de Madrid (Spain) – 9.16/10 ence Student Council and member of the Facul	
BSc in Mathematics — Universidad	Complutense de Madrid (Spain) — 9.08/10	2022
PUBLICATIONS —		
9 9 ,	unity and feature similarity guided rewiring. (13th International Conference on Learning Rep	_
	ver-squashing and over-smoothing. Adarsh Jama rence on Neural Information Processing System	9
Rendering string diagrams recu	rsively. Celia Rubio-Madrigal, Jules Hedges. arXi	iv, 2024. Ø
· · · · · · · · · · · · · · · · · · ·	for the identification of complex Boolean fur Complutense de Madrid, 2022. 🔗	nctions. Celia Rubio-Madrigal.
• Serialismo y matemáticas (I) Ø , Música y matemáticas, 2019.	(II) $\boldsymbol{\mathscr{O}}$, (III) $\boldsymbol{\mathscr{O}}$, and Re-escalando música $\boldsymbol{\mathscr{O}}$. Celia	a Rubio-Madrigal. DivulgaMAT:
• AWARDS		

• Best Overall Performance: CIS Dept. Prize on the MSc in ACS at University of Strathclyde

• Nova III Student List 🔗: Top 10 talents under 25 in Computer Science in Spain

Oct 2023

Mar 2023

• 9th Heidelberg Laureate Forum: Young Researcher in Mathematics

Sep 2022

- Personal interviews for HLFF Spotlight: 9th HLF & and Tribuna Complutense &.
- ''la Caixa'' Foundation Postgraduate Fellowship @: Fully funded MSc

Jun 2022

– Interviews in national newspapers El País Ø, El Plural Ø, and TV channel TeleMadrid Ø.

Undergraduate studies

- 6th Aula de Verano Blas Cabrera 🔗: Seminar for best undergraduate records in Spain (at UIMP)
- SWERC contestant 9: The 2021 ICPC Southwestern Europe Regional Contest (Milan, Italy)
- Becas de Excelencia: Excellence Grants from Com. Madrid for undergraduate students (2100€)

Pre-undergraduate studies

- Premio Extraordinario de Bachillerato: Top 25 for this exam in Com. Madrid (1000€)
- · Leading Program "la Caixa": Top 20 university admission marks in Com. Madrid
- Baccalaureate of Excellence with Honours: IES San Mateo 10/10
- EGMO contestant **@**: European Girls' Mathematical Olympiad (Zürich, Switzerland)
- ESTALMAT: 2-year mathematics talent program for 25 students in Com. Madrid

T PROJECTS

International Mathematics Olympiads – Organization and volunteering

2018-now

- IT at the European Girls' Mathematical Olympiad (EGMO): Slovenia 2023, Georgia 2024, Kosovo 2025.
- Deputy Leader of Spain at EGMO 2022 in Hungary and PAGMO 2021.
- Guide at the Iberoamerican Mathematical Olympiad 2018 in Spain/Portugal.

Departmental collaboration grant – Universidad Complutense de Madrid

Nov 2021-Jun 2022

- Grant: Beca de colaboración from Ministerio de Educación at Dept. Software Systems and Computation.
- Identification of boolean functions that need big circuits to be computed, with Ismael Rodríguez Laguna.

Mathematics research grant – Instituto de Ciencias Matemáticas (ICMAT).

Sep-Nov 2021

- Grant: Ayudas de introducción a la investigación ICMAT-Severo Ochoa Ø.
- Differential geometry methods in Machine Learning applications, with David Martín de Diego.

LATEX package: ddphonism *𝚱* − Contained in MiKTeX and TeXLive music bundles

2019

Professional Music Degree in Baroque Recorder – Conservatorio Profesional de Música Arturo Soria

2006-16

LANGUAGES

Spanish – Native English – TOEFL iBT 110/120 (2021)

German – Goethe-Zertifkat BI (2017)