CELIA RUBIO-MADRIGAL

♠ celrm.github.io	☑ celia.rubio-madrigal@cispa.de	in celia-rubio-madrigal
EXPERIENCE		
Doctoral researcher – CISPA Helmho – Group: Relational Machine Learnin	oltz Center for Information Security ng Lab & . Supervisor: Dr. Rebekka Burkholz.	2023-now
Teaching assistant / Laboratory der - "CS310 Foundations of Al" for Ye	monstrator – University of Strathclyde ear 3 BSc Computer Science. Lecturer: Dr. Andi	Jan-Apr 2023 rew Abel.
EDUCATION —		
PhD in Computer Science – Univers	sität des Saarlandes (Saarbrücken, Germany)	2023-now
MSc in Advanced CS with Al – University of Strathclyde (Glasgow, UK) – 8.57/10 (with Distinction) 2022-23 - Fully funded by ''la Caixa'' Foundation Postgraduate Fellowship. Earned the Dept. Best Overall Prize.		
BEng in Computer Science – Univer – Secretary of the Computer Science	rsidad Complutense de Madrid (Spain) — 9.16/10 ce Student Council 2021-22.	2017-22
BSc in Mathematics — Universidad Co	omplutense de Madrid (Spain) — 9.08/10	2017-22
PUBLICATIONS —		
	r-squashing and over-smoothing. Adarsh Jamada Conference on Neural Information Processing Sy	9
Rendering string diagrams recursive	vely. Celia Rubio-Madrigal, Jules Hedges. arXiv:24	404.02679, 2024. <i>&</i>
 Analysis of a neural network for Bachelor's thesis at Universidad Co 	the identification of complex Boolean function of the identification of th	ons. Celia Rubio-Madrigal.
 Serialismo y matemáticas (I) Ø, (II Música y matemáticas, 2019.) , (III) , and Re-escalando música . Celia Ru	ubio-Madrigal. DivulgaMAT:
♀ HONOURS AND AWARD	S	
Best Overall Performance Prize: 0	CIS Dept. Prize on the MSc in ACS at Strathclyde	Oct 2023
• Nova III Student List 🔗: Top 10 talents under 25 in Computer Science in Spain		Mar 2023

Sep 2022

• 9th Heidelberg Laureate Forum: Young Researcher in Mathematics

- Personal interviews for HLFF Spotlight: 9th HLF ${\bf \emph{G}}$ and Tribuna Complutense ${\bf \emph{G}}.$

• "la Caixa" Foundation Postgraduate Fellowship 6 : Fully funded MSc	Jun 2022
– Interviews in national newspapers El País 🔗, El Plural 🔗, and TV channel Telemadrid 🔗.	
Undergraduate studies:	
• 6th Aula de Verano Blas Cabrera 🔗: Seminar at UIMP for best undergrad records in Spain	Aug 2022
• SWERC contestant 6 : ICPC Southwestern Europe Regional Contest (Italy)	Apr 2022
• Beca de Excelencia: Excellence Grants for undergraduate students (2100€)	2018-22
Pre-undergraduate studies:	
• Premio Extraordinario de Bachillerato: <i>Top 25 for this exam in Com. Madrid (1000€)</i>	Jul 2017
• Leading Program "la Caixa": Top 20 university admission marks in Com. Madrid	Jun 2017
Baccalaureate of Excellence with Honours: IES San Mateo – 10/10	May 2017
• EGMO contestant 🔗: European Girls' Mathematical Olympiad (Switzerland)	Apr 2017
• ESTALMAT: 2-year mathematics talent program for 25 students in Com. Madrid	2012-14
PROJECTS AND ACTIVITIES	
International Mathematics Olympiads – Organization and volunteering IT at the European Girls' Mathematical Olympiad (EGMO): 2023 in Slovenia, 2024 in Georgi Deputy Leader of Spain at EGMO 2022 in Hungary and PAGMO 2021. Guide at the Iberoamerican Mathematical Olympiad 2018 in Spain/Portugal.	2018-now ia.
Departmental collaboration grant – Universidad Complutense de Madrid No	v 2021-Jun 2022
 Grant: Beca de colaboración from Ministerio de Educación at Dept. Software Systems and G Identification of boolean functions that need big circuits to be computed, with Ismael Rodríg 	·
 Mathematics research grant – Instituto de Ciencias Matemáticas (ICMAT). Grant: Ayudas de introducción a la investigación ICMAT-Severo Ochoa Ø. Differential geometry methods in Machine Learning applications, with David Martín de Diego 	Sep-Nov 2021
ETEX package: ddphonism <i>⊕</i> – Contained in MiKTeX and TeXLive	2019
Music Conservatory in Recorder – Conservatorio Profesional de Música Arturo Soria	2006-16
LANGUAGES —	

English – TOEFL iBT 110/120 (2021) German – Goethe-Zertifkat B1 (2017)

Spanish-Native