Curriculum Vitae
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https://ckdvk.github.io/cv.github.io/

Employment

Oct 2023 — *Feb 2024*	**Position:** Substitute Teaching Tutor
	Where: University of Málaga
	Brief description:
	Teaching discrete mathematics and linear algebra to undergraduate students in the University of Málaga's bachelor's degrees in Computer Science and Health Engineering, respectively. See the program of the courses here and here, respectively.

Jul 2023 — *October 2023*	**Position:** Lecturer in Mathematics
	Where: Guangdong Technion Israel Institute of Technology
	Brief description:
	I am in charge of the tutorial lectures of the intensive summer semester for two courses on Differential and Integral Calculus and also for the Prep course for the Mathematics and Computer Science program of the GTIIT.

Feb 2022 — *Jul 2023*	**Position:** Substitute Teaching Tutor
	Where: University of Málaga
	Brief description:
	Teaching differential and integral calculus, vector calculus, differential equations and probability to undergraduate students in the University of Málaga's bachelor's degree in Chemistry. See the program of the current courses here and here.

Sept 2021 — *Apr 2022*	**Position:** Lead Data Scientist
	Where: Student Success
	Brief description:
	Data science with data from Google Classroom. Analysis of engagement of students, STEM-HASS profile of students, prediction of califications...

Feb 2021 — *Sept 2021*	**Position:** Postdoctoral Visiting Fellow
	Where: Basque Center for Applied Mathematics
	Brief description:
	Harmonic Analysis and Differential Equations: New Challenges. In this project we studied multifractality and intermittency properties of certain stochastic processes coming from physics. We needed ideas from Harmonic Analysis, Number Theory and Probability theory to study these topics

Sept 2016 — *Dec 2020*	**Position:** Predoctoral Researcher
	Where: Basque Center for Applied Mathematics
	Brief description:
	During these years I studied different problems on Harmonic Analysis, from singular integral operators to Poincaré-Sobolev inequalities both in Euclidean and abstract metric spaces. This culminated in the development of a new method to get Poincaré-Sobolev inequalities in different settings. This is collected in my thesis dissertation

Education

Sept 2016 — *Dec 2020*	**Degree:** PhD degree in Mathematics and Statistics
	Where: Basque Center for Applied Mathematics

Sept 2015	**Degree:** Master's degree in Mathematics and Statistics

Jul 2016   **Where:** Universities of Almería, Cádiz, Granada, Jaén and Málaga

Sept 2011   **Degree:** Bachelor's degree in Mathematics
Jul 2015   **Where:** University of Málaga

Research

- **hurri2023**
- **martinez2023**
- **hurri2022bbm**
- **martinez2020quantitative**
- **kosz2022maximal**
- **Martinez2020**
- **Cejas2019**
- **Accomazzo2017**

Dissemination

1. **TEMAT**. Link to the paper
2. **TEMAT2**. Link to the paper

Skills

Technical skills:
Proficient with:
Python, Git, LaTeX, Adobe Photoshop, Adobe Illustrator, Angular, Typescript, Flask
Familiar with:
HTML, PHP, MySQL , Docker, PostgreSQL, CSS

Soft skills:
Strong:
Spanish (mother tongue), English (B2 level), Initiative, International Teamwork, Experience with public talks
Basic knowledge:
Italian, Euskera

Associations

2017	**RSME**
2018	**Charge:** Chief editor in their weekly bulletin
2016	**ANEM**
2019	**Charge:** Editor in their bulletin

Research stays and visits

Sept 2019	**Universidad Nacional del Sur**
—	Bahía Blanca, Argentina
Sept 2019	*Host(s):* Israel P. Rivera Ríos
Aug 2019	**Universidad Buenos Aires**
—	Buenos Aires, Argentina
Oct 2019	*Host(s):* Ezequiel Rela
Nov 2017	**Universidad Buenos Aires and Universidad Nacional de La Plata**
—	Buenos Aires, Argentina
Oct 2017	*Host(s):* Eugenia Cejas and Irene Drelichman

Talks and posters

Mar 2023	**Talk:** Un problema de operadores maximales en el toro infinito-dimensional
	Where: Seminario SARCTO-UMA, Málaga, Spain
Feb 2022	**Talk:** Lectures on Poincaré inequalities
	Where: BCAM-Severo Ochoa Course: Harmonic Analysis, Bilbao, Spain
Jan 2020	**Talk:** Self-improving results for Poincaré-type inequalities
	Where: V Congreso de Jóvenes Investigadores de la RSME, Castellón, Spain
	Book of abstracts
Dec 2019	**Talk:** Self-improving properties of Poincaré-Sobolev type inequalities
	Where: Analysis and PDE seminar, BCAM–UPV/EHU, Bilbao, Spain
Oct 2019	**Talk:** Automejora en controles de oscilaciones medias de funciones
	Where: Universidad Málaga, Málaga, Spain
Sept 2019	**Talk:** Desigualdades de Poincaré-Sobolev mejoradas con pesos
	Where: Universidad Nacional del Sur, Bahía Blanca, Argentina
Sept 2019	**Talk:** Desigualdades de Poincaré-Sobolev mejoradas con pesos
	Where: Universidad de Buenos Aires, Buenos Aires, Argentina
Sept 2019	**Talk:** Desigualdades de Poincaré-Sobolev mejoradas con pesos
	Where: Segundo Encuentro Conjunto de la UMA y la SOMACHI, Mendoza, Argentina

May 2019   **Talk:** On fractional Poincaré inequalities
Where: II BYMAT Conference, Madrid, Spain

Feb 2019   **Talk:** On fractional Poincaré inequalities
Where: Universidad de Cantabria, Cantabria, Spain

May 2018   **Talk:** On fractional Poincaré inequalities
Where: Summer school "Nonlocal Interactions in Partial Differential Equations and Geometry" at Institut Mittaf-Leffler, Djursholm, Sweden

May 2018   **Talk:** Sobolev-Poincaré inequalities for $p < 1$
Where: I BYMAT Conference, Madrid, Spain

Dec 2017   **Talk:** Algunas extensiones de la desigualdad de Poincaré
Where: I Encuentro Conjunto RSME-UMA, Buenos Aires, Argentina

Nov 2016   **Talk:** Sobolev integrability of solutions of the Beltrami equation
Where: Basque Center for Applied Mathematics, Bilbao, Spain

Certified linguistic skills

Spanish: *Mother tongue*
English: *Medium, CertAcles Certificate level B1*
Euskera: *Basic level, A1*

Others

2022 — Present   **Frontend and backend developer of an entire own web application called Appasarlista**

(To be published)

2022 —   **Certified as** *Profesor Ayudante Doctor* **by the ANECA**

2016 — 2022   **Editor and reviewer in the dissemination journal TEMat**

2018 — 2020   **Co-organiser of the LIGHT seminar at BCAM**