
EMPLOYMENT

- Oct 2023*
— **Position:** Substitute Teaching Tutor
Where: University of Málaga
- Feb 2024* **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*
— **Position:** Lecturer in Mathematics
Where: Guangdong Technion Israel Institute of Technology
- Oct 2023* **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*
— **Position:** Substitute Teaching Tutor
Where: University of Málaga
- Jul 2023* **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*
— **Position:** Lead Data Scientist
Where: Student Success
- Apr 2022* **Brief description:**
Data science with data from Google Classroom. Analysis of engagement of students, STEM-HASS profile of students, prediction of califications...
- Feb 2021*
— **Position:** Postdoctoral Visiting Fellow
Where: Basque Center for Applied Mathematics
- Sept 2021* **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*
— **Position:** Predoctoral Researcher
Where: Basque Center for Applied Mathematics
- Dec 2020* **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

Nov 2023 **Degree:** Fulltime Student
Present **Where:** 42 School Málaga

Sept 2016 **Degree:** PhD degree in Mathematics and Statistics
Dec 2020 **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:

C, Python, Git, \LaTeX , Adobe Photoshop, Adobe Illustrator, Angular, Typescript, Flask

Familiar with:

Bash, WordPress, 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
2018 **RSME**
Charge: Chief editor in their weekly bulletin

2016
2019 **ANEM**
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
Abstract
- 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
List of posters
- May 2018** **Talk:** On fractional Poincaré inequalities
Where: Summer school "Nonlocal Interactions in Partial Differential Equations and Geometry" at Institut Mittag-Leffler, Djursholm, Sweden
Webpage of the school
- 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
Abstract
- Nov 2016** **Talk:** Sobolev integrability of solutions of the Beltrami equation
Where: Basque Center for Applied Mathematics, Bilbao, Spain
Abstract

CERTIFIED LINGUISTIC SKILLS

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

OTHERS

- 2022** **Frontend and backend developer of an entire own web application called Appasarlista**
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Present (To be published)
- 2022** **Certified as *Profesor Ayudante Doctor* by the ANECA**
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- 2016** **Editor and reviewer in the dissemination journal TEMat**
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2022 Webpage of the journal

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

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2020 Webpage of the seminar