

# Raquel Murat García

*Curriculum Vitae*

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## Education

- Oct 2021–March 2024 **Master of Science in Mathematics**, *Westfälische Wilhelms-Universität Münster*, Germany  
2024 Thesis: *On the existence of fibrations over coset spaces*  
Supervisor: Prof. Dr. Linus Kramer
- 2017–2021 **Bachelor in Computational Mathematics**, *Universitat Jaume I*, Spain  
Thesis: *Wiener's lemma: inversion of convolution operators*  
Supervisor: Prof. Jorge Galindo Pastor
- 2016–2017 **First year of Biomedical Engineering**, *Universidad Politécnica de Valencia*, Valencia, Spain

## Conferences and Workshops

- July 2024 **Trending aspects in Group Cohomology**, *University of Lincoln*, UK
- November 2023 **International PhD course: Topics in Geometric Group Theory**, *University of Copenhagen*, Denmark
- September 2023 **Summer school: introduction to totally disconnected locally compact groups**, *Westfälische Wilhelms-Universität Münster*, Germany
- March 2023 **Graduate Research Opportunities for Women (GROW)**, *Universität Bonn*, Germany
- February 2023 **Young Geometric Group Theory XI**, *Westfälische Wilhelms-Universität Münster*, Germany
- February 2023 **Workshop on Reflection and Coxeter Groups**, *Otto-von-Guericke-Universität Magdeburg*, Germany
- July 2019 **IX International Congress on Industrial and Applied Mathematics (ICIAM)**, *Universidad de Valencia*, Spain
- July 2019 **XX National Meeting of Mathematics Students**, *Universidad de Granada*, Spain

## Research

### Talks

- July 2024 **Existence of fibrations over coset**, *Bielefeld-Münster Seminar on Groups, Geometry and Topology*, Bielefeld, Germany

## Experience

### Teaching

September 2023–March 2024 **Tutor for Introduction to Number Theory**, *Westfälische Wilhelms-Universität*, Germany

April 2023–September 2023 **Tutor for Algorithmic Group Theory**, *Westfälische Wilhelms-Universität*, Germany

October 2022–March 2023 **Tutor for Geometric Group Theory I**, *Westfälische Wilhelms-Universität*, Germany

### Computation

October 2020–March 2021 **Scholarships for introduction to research**, *Universitat Jaume I*, Spain

July 2018 **Programmer with a Summer Internship**, *CTIC Foundation - Technological Centre*, Gijón, Spain

### Further educational projects and awards

June 2021 **Academic excellence award**, *Universitat Jaume I*, Castellón de la Plana, Spain

June 2021 **"V Capitanía General" award**, *Gobierno de España*, Valencia, Spain

February 2020 **Contestant in the VI Programming Contest Ada Byron**, *Universitat Politècnica de València*, Valencia, Spain

June 2019 **Winner of the XIV Intelligent Robots Contest: Fire Fighting**, *Universitat Jaume I*, Castellón de la Plana, Spain

September 2018 - June 2020 **Study-Research program with the research group on Dynamical Systems, Modelling and Numeric Simulation, managed by Prof. Fernando Casas**, *Universitat Jaume I*, Castellón de la Plana, Spain

### Languages

Spanish Native

English Proficient

German Intermediate-Advanced

Portuguese Intermediate

Catalan Intermediate

### Interests

Theatre In secondary school I took part in a project by the Goethe-Institut to prepare a theatre play in German with students from France, Turkey and Germany. During my bachelor's studies I attended two theatre courses and participated in two final plays. Last semester I also took part in a course on improvisation.

Music I studied piano for 6 years and have recently started to learn guitar.