

Maryam Emamjomeh Zadeh

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Education

- **University of Washington, Seattle, WA** Sept. 2023 –
Ph.D. Mathematics
- **University of Bordeaux, Bordeaux, France** Sept. 2021 – Jun. 2023
M.Sc. Algebra, Geometry and Number Theory (M2 [ALGANT](#))
Dissertation: On the Kissing Number and Sphere Packing Problems
Advised by René Schoof
- **Leiden University, Leiden, Netherlands** Sept. 2020 – Jun. 2021
M.Sc. Algebra, Geometry and Number Theory (M1 [ALGANT](#))
- **University of Tehran, Tehran, Iran** Sept. 2016 – Aug. 2020
B.Sc. Mathematics and Applications
- **Farzanegan-Amin High School, Isfahan, Iran** Sept. 2012 – Jun. 2016
Diploma Mathematics and Physics
Affiliated with the National Organization for the Development of Exceptional Talents (NODET)

Honors and Scholarships

- Provost Fellowship from the University of Washington, awarded additional \$10,000 for first two years of Ph.D. program 2023-2025
- Erasmus Mundus scholarship of the European Commission for ALGANT Master program 2020-2022
- Eligible for direct Master's admission of top talents under the supervision of the Ministry of Science, Research and Technology of Iran 2020
- Full Bachelor's scholarship from the Ministry of Science, Research and Technology 2016

Scientific Participations

- **CIMPA School on Lattices, Heights and Diophantine Approximation**
Jun. 2024, Urgench State University, Urgench, Uzbekistan [[page](#)] (*expected*)
- **Numbers in the Universe; Recent Advances in Number Theory and its Applications**
Aug. 2023, Stefan Banach International Mathematical Center, Warsaw, Poland [[page](#)]
- **Machine-Checked Mathematics: Theory and Practice of Proof Assistants**
Jul. 2023, Lorentz Center, Leiden, Netherlands [[page](#)]
- **The 7th Mini Symposium of the Roman Number Theory Association (Joint with the 1st Atelier Lean)**
May. 2023, Università Roma Tre, Rome, Italy [[page](#)]
- **Research School and Conference of the Symposium on Arithmetic Geometry and its Applications (SAGA)**
Feb. 2023, CIRM, Marseille, France [[page](#)]
- **Diophantine Geometry and L-functions: Hindry 65**
Sep. 2022, University of Bordeaux (IMB), Bordeaux, France
- **SMC 2022 School on Local Cohomology and Related Topics**
Aug. 2022, KTH Royal Institute of Technology, Stockholm, Sweden [[page](#)]
- **The 6th Mini Symposium of the Roman Number Theory Association (Joint with Leuca 2022)**
May. 2022, Patù, Lecce, Italy [[page](#)]
- **Number Theory Web Seminar**
Since May. 2020, On-line [[page](#)]
- **CIMPA Research School on Group Actions in Arithmetic and Geometry**
Feb. 2020, Gadjah Mada University, Yogyakarta, Indonesia [[page](#)]
- **Frontiers 4th Summer School: Convex Analysis and Additive Number Theory**
Aug. 2019, Institute for Advanced Studies in Basic Sciences (IASBS), Zanjan, Iran [[page](#)]
- **CIMPA West Asian Mathematical School (WAMS) on Representation Theory**
Feb. 2019, Sulaimani, Kurdistan Region, Iraq [[page](#)]

- **Kalaaqhaa 11th: Math Book-Reading Competition on “The Combinatorics of Finite Geometries”**
Jan. 2018, Tehran, Iran [[page](#)] (First prize)

Teaching Assistance

- Calculus with Analytic Geometry I, Department of Mathematics, University of Washington
Autumn, Winter, Spring 2023
- General Calculus I, Department of Mathematics, University of Tehran
Autumn 2019
- Numerical Analysis, Department of Mathematics, University of Tehran
Spring 2019
- General Calculus I, Department of Chemistry, University of Tehran
Autumn 2018

Other Activities

- Scientific-head of the **School on Mathematical Thinking** ([Rasta](#))
Bushehr Math House, Bushehr, Iran, Jan. 2020
- Scientific-head and co-organizer of the **Mathematical Pastime** ([Rasta](#))
Saravan, Baluchestan, Iran, Mar. 2019
- Co-organizer of the **Computer Science Summer School (CsSS)** ([Rasta](#))
Isfahan Math House, Isfahan, Iran, Aug. 2017 and Aug. 2018
Sharif University of Technology, Tehran, Iran, Sept. 2018
- Scientific-head and co-organizer of the **Mehregan Mathematics Workshop** ([Karsoogh](#))
Farzanegan-Amin Middle School, Isfahan, Iran, Aug. (2014 – 2019)

Skills

- Programming Languages: Python, Sage, LaTeX
- Languages: *Persian* (native), *English* (fluent), *Arabic* and *French* (elementary)