

Marc Fares

✉ me@mjfares.com in LinkedIn

Education

Université de Neuchâtel

Sep. 2025 - present

PhD in Mathematics

- Area of study: Symplectic geometry
- Thesis supervisor: Felix Schlenk
- Thesis topic: Symplectic embedding problems

Rheinische Friedrich-Wilhelms-Universität Bonn

Oct. 2023 - Jul. 2025

Master of Science in Mathematics

- Average grade: 1.7/6.0, “good” (German grading system)
- Area of study: Topology and Geometry
- Thesis supervisor: Laurent Côté
- Thesis topic: Quantitative symplectic geometry

Notre Dame University - Louaize (NDU)

Sep. 2021 - May 2023

Bachelor of Science in Mathematics

- Average Grade: 4.0/4.0, “outstanding” (American GPA)
- Valedictorian of the class of 2023

Experience

Course Assistant

Sep. 2025 - present

Université de Neuchâtel

- Conducting the exercise sessions of several bachelor and master courses

Mathematics Tutor

Apr. 2025 - Jul. 2025

Rheinische Friedrich-Wilhelms-Universität Bonn

- Conducted the tutorial sessions of the undergraduate course Analysis II

Mathematics Instructor

Jul. 2022 - Sep. 2023

Amideast Lebanon

- Designed the content of the SAT Preparation Course for high school students in Lebanon, and gave the corresponding lectures

Research

Interests

- Symplectic embeddings, embedded contact homology, Lagrangian almost toric fibrations, Ehrhart theory, contact geometry

On-going projects

- Symplectic embeddings of pin-ellipsoids into $\mathbb{S}^2 \times \mathbb{S}^2$
- Completeness of the ECH capacities of pin-ellipsoids

Preprints

- Period collapse of Markov triangles - arXiv:2601.14090

Skills and Abilities

Technical

- Basic programming with Python, Mathematica, MATLAB, C++, and GeoGebra
- Basic formalization of mathematics in Lean

Language proficiency

- Arabic (native), English (C2 level), French (C2 level), German (B2 level)

Science Olympiads

International Mathematical Olympiad (IMO)

Lebanese team

- IMO2026 – Shanghai: Participated as Observer A in the first Lebanese delegation to the IMO

Awards

General Khalil Kanaan Award

NDU Board of Trustees

- Highest-ranked student in the graduating class of 2023

Extra-curricular involvements

Lebanese Association for Science Olympiads (LASO)

Founding member

- Coordinating the participation of Lebanese contestants at the International Science Olympiads
- Organizing the Lebanese Science Olympiads

Lebanese Science Organization (LSO)

Initial director

- Organizing online undergraduate- and graduate-level STEM courses for Lebanese university students
- Connecting Lebanese students and academicians

Volunteer Work

Rescuer

Emergency Medical Services – Lebanese Red Cross

Nov. 2022 - Feb. 2023

Peer Mentor

IDEAL Program – NDU

Sep. 2021 - Jun. 2023

Boy Scout

Groupe Mont La Salle – Scouts du Liban

Sep. 2010 - Oct. 2019

References

Felix Schlenk

Professor – Mathematical Institute, University of Neuchâtel

felix.schlenk@unine.ch

Laurent Côté

Professor (Bonn Junior Fellow) – Mathematical Institute, University of Bonn

lcote@math.uni-bonn.de

Roger Nakad

Dean and Associate Professor – Faculty of Natural and Applied Sciences, NDU

rnakad@ndu.edu.lb