

# Mahmoud Khaled

## Teaching Assistant

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### Personal information

**Date of birth:** 22 Dec. 1997  
**Citizenship:** Egyptian  
**Status:** Celibate  
**Address:** Helwan University, Helwan, Cairo

### Education

Sep.2023 - Jul.2024 **M.Sc.(Pursuing)**, *African Institute For Mathematical Science AIMS*, Cape Town, South Africa (**Fully Funded Scholarship**)

Sep.2022 - May 2023 **Pre M.Sc.**, *Helwan University*, Helwan

2016 - 2020 **Bachelor of Science in Mathematics**, *Helwan University*, Helwan  
**Total GPA =3.3/4.** Graduated with "very Good" (82.47%).  
Graduation \ Final year project: **Interval Analysis.**

### Teaching and Mentoring Experience

Oct. 2022 - Aug.2023 **Teaching Assistant**, *El-Gazeera Higher Institute for Engineering and Technology*, Cairo.

Sep. 2020 - Now **Freelance Mathematics lecturer**, *Online teaching.*

Sep. 2020 - Apr. 2021 **Teaching Assistant**, *Mathematics Dep., Faculty of Science, Helwan University*, Helwan.

### Seminars & Schools

25-27 Oct. 2023 *Spring School "On Symmetries of Differential & Difference Equations and Their Applications"*, Stellenbosch, South Africa

31 Aug. 2023 *Quadratic Forms, Rings and Codes*, Laboratoire de Mathématiques de Lens, France

24-28 Jul. 2023 *Five days faculty development program on 'Data Analysis using Advanced Computational techniques'*, Department of Statistics and Department of Mathematics, Amity University Kolkata, North India

27-28 Jan. 2023 *Categories, Rings and Modules, a conference in honor of Alberto Facchini*, Online

10-21 Dec. 2022 *Rings, Algebras, and Category Towards Coding and Computer Algebras*, CIMPA school, Helwan University

24 Jul. 2019 *Topology and its Applications*, Helwan University.

### Awards & Achievements

Feb. 2024 **Invited to fully funded internship at HGS MathComp**, Heidelberg University, Germany: Engaged in mathematical modeling and game strategy implementation research project for a period of 4-6 weeks.

- Oct. 2023 [Mastercard Foundation Scholar at AIMS: Empowering Africa's Future through Education, Leadership, and Community Impact - Cape Town, South Africa](#)
- Aug. 2023 [Accepted to study Master's degree at University of Cape Town - Cape Town, South Africa](#)
- Jun. 2023 [Selected for a fully fund scholarship to study Master's degree at University of Cape Town - Cape Town, South Africa](#)
- Jun. 2023 [Accepted to study Master 2 Indifférencié Modélisation et Méthodes Mathématiques en Economie et Finance. at Université Paris 1 Panthéon-Sorbonne - Paris, France](#)
- May. 2023 [Selected for the first stage in a fully fund scholarship from the French embassy in Egypt](#)
- May. 2023 [Selected for a fully fund scholarship to study Master's degree at Università della Calabria - Calabria, Italy](#)
- Apr. 2023 [Accepted to study Master 2 MPA at Université Côte d'Azur - Nice, France](#)
- Dec. 2020 Seventh Place in the Ideal Student Competition at Helwan University.
- Dec. 2020 Ideal Student Certificate, Faculty of Science.

**Skills:**  $\text{\LaTeX}$ , C++, [Python](#), R software, Microsoft Office, GeoGebra, plotly, Canva, Emaze, .

**Languages:** Arabic(native), English (near-native), French (Basic).

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## References

**Prof. Andre Leroy**

e-mail: [andre.leroy@univ-artois.fr](mailto:andre.leroy@univ-artois.fr)

Full Professor, Faculté Jean Perrin, Université d'Artois, Lens, France.

**Prof. Laura Cossu**

e-mail: [laura.cossu@uni-graz.at](mailto:laura.cossu@uni-graz.at)

Postdoctoral Fellow, Institute of Mathematics and Scientific Computing, University of Graz, Graz, Austria.