MANUEL SEDANO MENDOZA

Mathematician, PhD

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EXPERIENCE

Postdoctoral Position
Centro de Ciencias Matemáticas - UNAM

📅 Oct 2018 – Oct 2022 📍 Morelia, Michoacán

- Did research on Mathematics with four different research groups, having written publishable work with each research group.
- Taught courses and seminars at the grad school program.
- Mentored students.

AI-trainer, Math-expert
Remotasks-Outlier

📅 Nov 2023 – June 2024 📍 Remote

- I designed original and challenging prompts to test the capability of Large Language Models (LLMs) to solve complex mathematical problems.
- I ranked and rewrote LLM's solutions to mathematics and physics problems to improve their accuracy.

AWARDS AND DISTINCTIONS

- Highest GPA score of the generation 2013-2018 at the PhD-program on Centro de Investigación en Matemáticas, A.C.
- Member of the National System of Researchers SNI-CONAHCyT, since 2021.
- First place at the "4ta Olimpiada Estatal de Lógica", Mich. (June 2007).
- Ninth place at the "V Olimpiada Nacional de Lógica", Naucalpan de Juárez, Edo. De México. (June 2008).

TECHNICAL SKILLS

- Research level mathematics.
- SQL, Python, LaTeX, Bash, Git, GitHub.
- Mathematica, MS Office, Sage, Linux, Windows.

LANGUAGES

- Spanish (Native Language)
- English (Professional Proficiency C2)
- French (B2 Proficiency)
- German (A1-A2 Basic)

EDUCATION

PhD on Mathematics - 4.0/4 CGPA
Centro de Investigación en Matemáticas, A. C.

📅 2018 📍 Guanajuato, Guanajuato

MS on Mathematics - 4.0/4 CGPA
Posgrado Conjunto UNAM-UMSNH

📅 2012 📍 Morelia, Michoacán

BS on Physics and Mathematics - 3.69/4 CGPA
Universidad Michoacana de San Nicolás de Hidalgo

📅 2010 📍 Morelia, Michoacán

BRIEF SUMMARY OF ACADEMIC CV

- Published three research papers on peer-review international journals and I have three written papers in the process of publication, plus one published popular math arcticle.
- Mentored one BS thesis on mathematics, whose author graduated with all honors.
- Taught one course in a graduate math program and TA for another 3 courses. I gave two workshops to engineers and two mini courses at graduate level.
- Co-organized two seminars, one as a student and one as a postdoctoral research. Both spanning one year each.
- Gave more than 30 lectures in national and international congresses.
- Gave four workshops to mathematics students and engineering students on logic an problem solving.

SOFT SKILLS

- Oral and written communication.
- Teamwork.
- Always curious to learn more.
- Experienced problem solver.
- Ability to work both independently or as a team.
- Leadership skills in complex projects.