Max Martínez

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EDUCATION

National Autonomous University of Mexico (UNAM)	University City
B.S. in Computer Science	*Graduating December 2025*
Teaching Assistant - Discrete Structures with Haskell	School of Sciences, UNAM
Directory Listing: [fciencias.unam.mx/directorio/105924](#)	*Aug 2025 - Present*
Diploma in Logic, Argumentation, and Critical Thinking	Mexico City
Institute of Philosophical Research	*Expected Nov 2025*

PROJECTS

IMO Grand Challenge: Problem Formalization | [GitHub] — July 2025
- Formalized 3 International Math Olympiad solutions using Lean 4's proof assistant
- Created machine-readable problem statements to serve as competition benchmarks

Google DeepMind: Conjecture Formalization Initiative | [GitHub] — June 2025
- Formalized open conjectures by Erdős and Euler in Lean, creating first-of-kind benchmarks for AI theorem provers
- Participated in cross-disciplinary code review with Google DeepMind researchers

Terence Tao's Analysis I: Exercise Solutions | [GitHub] — May 2025
- Authored merged pull requests fixing formalization through rigorous verification, improving resource reliability
- First to formalize and solve all exercises in three sections of Terence Tao's Analysis I using Lean

Computer Science Library: Linear Logic | [GitHub] — April 2025
- Early contributor to foundational framework for logic in Computer Science
- Defined the concept of equivalence in Linear Logic and formalized classical equivalences using Lean

ACADEMIC HIGHLIGHTS

Speaker | *1st Symposium on the Philosophy of Computing* — December 2023
- Selected as speaker for Latin America's first academic initiative examining philosophical computing challenges
- Analyzed 3+ theories of mind (incl. Enactivism, Computationalism) to debate AI consciousness feasibility
- *Event report: [philcomp.org/symposium-results/](#)*

Finalist | *International Logic Olympiad, Flagship competition of Mexican Association of Logic* — June 2025
- Competed in premier annual logic championship featuring 11 domains across natural/symbolic systems
- Solved 30 complex problems under competition pressure (90-min limit)
- Awarded finalist status among international participants

CERTIFICATIONS

English | *EF SET Certificate: C2 Proficient* — 2025
- *Validation Link: [cert.efset.org/en/vwUCsc](#)*