

MAXIMILIANO ONOFRE MARTÍNEZ

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EDUCATION

National Autonomous University of Mexico (UNAM)

2022 - Present

B.Sc. | Computer Science

Faculty of Science

Final Semester

Institute of Philosophical Research, UNAM

Aug 2025 - Nov 2025

Diploma | Logic and Argumentation

Mexico City

PROFESSIONAL EXPERIENCE

Backend Developer (Python/Pyramid)

Nov 2025 - Present

UAM - CONVIDA Project

Remote / Hybrid

- Selected for the engineering team of the institutional initiative “CONVIDA” (Virtual Learning Contexts).
- Development of microservices and RESTful APIs using Python, Cornice, and the Pyramid framework.

Lab Teaching Assistant - Discrete Structures

Aug 2025 - Dec 2025

Faculty of Science, UNAM

Mexico City

- Teaching practical sessions on Propositional Logic, Recursion, and Functional Programming in Haskell.
- Designing, authoring, and grading coding assignments for a group of 22 students.
- Technical code review and mentorship to strengthen students’ algorithmic and logical thinking.

KEY ACHIEVEMENTS & PROJECTS

1st Place - AWS Cloud Quest Tournament

Nov 2025

AWS Cloud Club UNAM

- Winner of an intensive cloud infrastructure challenge.
- Practical deployment of solutions using core services (EC2, VPC, S3) and Generative AI concepts.

Open Source Contributor - Formal Verification (Lean 4)

2024 - Present

GitHub

- Google DeepMind & Terence Tao Repos: Formalization of complex mathematical statements (Euler’s and Erdős’ conjectures).
- Lean Prover Official: Contributions to the Computer Science library (**cslib**) in linear logic proofs.

Hotel Reservation System (Full Stack)

Academic Project

- Full web application development using Python, Django, PostgreSQL, and Docker.

DISTINCTIONS & CONFERENCES

Finalist - International Logic Olympiad

Jun 2025

Mexican Academy of Logic

- Qualified for the final undergraduate stage in classical logic problem solving.

Student Speaker

Dec 2023

1st Symposium on Philosophy of Computing

- Talk: “Hypercomputation and the Future of AI: Exploring Frontiers and Limits”.

TECHNICAL SKILLS

Languages: Python (Advanced), Haskell, Lean 4, SQL, C++

Cloud & Tools: AWS (Cloud Quest Winner), Docker, Linux, Git/GitHub, LaTeX, VS Code

Languages: Spanish (Native), English (C2 Proficient - EF SET)