

# MAXIMILIANO ONOFRE MARTÍNEZ

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## EDUCATION

|   |                     |
|---|---------------------|
| National Autonomous University of Mexico (UNAM) | 2022 - Present      |
| B.Sc.   Computer Science                        | Faculty of Science  |
| <i>Final Semester</i>                           |                     |
| Institute of Philosophical Research, UNAM       | Aug 2025 - Nov 2025 |
| Diploma   Logic and Argumentation               | Mexico City         |

## PROFESSIONAL EXPERIENCE

|   |                     |
|---|---------------------|
| Backend Developer (Python/Pyramid)  | Nov 2025 - Present  |
| <i>UAM - CONVIDA Project</i>  | Remote / Hybrid     |
| <ul style="list-style-type: none"><li>Selected for the engineering team of the institutional initiative “CONVIDA” (Virtual Learning Contexts).</li><li>Development of microservices and RESTful APIs using Python, Cornice, and the Pyramid framework.</li></ul>  |                     |
| Lab Teaching Assistant - Discrete Structures  | Aug 2025 - Dec 2025 |
| <i>Faculty of Science, UNAM</i>   | Mexico City         |
| <ul style="list-style-type: none"><li>Teaching practical sessions on Propositional Logic, Recursion, and Functional Programming in Haskell.</li><li>Designing, authoring, and grading coding assignments for a group of 22 students.</li><li>Technical code review and mentorship to strengthen students' algorithmic and logical thinking.</li></ul> |                     |

## KEY ACHIEVEMENTS & PROJECTS

|  |                |
|--|----------------|
| 1st Place - AWS Cloud Quest Tournament   | Nov 2025       |
| <i>AWS Cloud Club UNAM</i>   |                |
| <ul style="list-style-type: none"><li>Winner of an intensive cloud infrastructure challenge.</li><li>Practical deployment of solutions using core services (EC2, VPC, S3) and Generative AI concepts.</li></ul>  |                |
| Open Source Contributor - Formal Verification (Lean 4)   | 2024 - Present |
| <i>GitHub</i>  |                |
| <ul style="list-style-type: none"><li>Google DeepMind &amp; Terence Tao Repos: Formalization of complex mathematical statements (Euler's and Erdős' conjectures).</li><li>Lean Prover Official: Contributions to the Computer Science library (<b>cslib</b>) in linear logic proofs.</li></ul> |                |
| Hotel Reservation System (Full Stack)  |                |
| <i>Academic Project</i>  |                |
| <ul style="list-style-type: none"><li>Full web application development using Python, Django, PostgreSQL, and Docker.</li></ul>   |                |

## DISTINCTIONS & CONFERENCES

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|---|----------|
| Finalist - International Logic Olympiad   | Jun 2025 |
| <i>Mexican Academy of Logic</i>   |          |
| <ul style="list-style-type: none"><li>Qualified for the final undergraduate stage in classical logic problem solving.</li></ul> |          |
| Student Speaker   | Dec 2023 |
| <i>1st Symposium on Philosophy of Computing</i>   |          |
| <ul style="list-style-type: none"><li>Talk: “Hypercomputation and the Future of AI: Exploring Frontiers and Limits”.</li></ul>  |          |

## TECHNICAL SKILLS

|   |
|---|
| <b>Languages:</b> Python (Advanced), Haskell, Lean 4, SQL, C++                                |
| <b>Cloud &amp; Tools:</b> AWS (Cloud Quest Winner), Docker, Linux, Git/GitHub, LaTeX, VS Code |
| <b>Languages:</b> Spanish (Native), English (C2 Proficient - EF SET)                          |