MARINA OLIVEIRA LEVAY REIS

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EDUCATION

Minerva University   **San Francisco, CA**

Computer Science (Artificial Intelligence and Mathematics) / GPA: 3.7   *September 2023 - May 2027*

- **Coursework:** Real Analysis, Physics I, II, Algorithms and Data Structures, Single and Multivariable Calculus, Linear Algebra,, Statistics and Probability, Formal Logic, Complexity Theory.

EXPERIENCE

Summer Geometry Initiative, MIT   **San Francisco, United States**

Research Fellow   *April 2025 - August 2025*

- Selected as the first student from my university for the six-week program under Prof. Justin Solomon. Focused on geometry processing research. Applied concepts topology, and optimal transport (OT) to develop Deep Learning models for 3D shape reconstruction and interpolation.

AI Sustainability Lab, Minerva University   **Taipei, Taiwan / Seoul, South Korea**

Research Assistant   *September 2024 - April 2025*

- One of two sophomore-year teams selected among 100+ applications. Trained a Convolutional LSTM model using NASA satellite imagery, weather data, and terrain information to create probability maps that predict the spread of fires in surrounding areas. Our mission is to improve natural disaster response, helping firefighters and national agencies manage wildfires safely and efficiently. Continuation of a [hackathon project awarded by NASA](#).

NORTHEASTERN UNIVERSITY   **Oakland, CA**

Quantum Computing and Physics Instructor   *May 2024 - July 2024*

- Taught Physics classes for 20+ students. Developed a 6-week Quantum Computing curriculum for high school students from Oakland Public Schools using open-source materials from the University of Chicago. Instructed students how to use the open-source Qiskit Python library developed by IBM.

Teachy   **San Francisco, United States**

Machine Learning Engineer   *May 2024 - September 2024*

- Award-winning ed-tech startup in Latin America developing AI tools for teachers. Working as the owner of Material Importing, focusing on Data Mining, Optical Character Recognition (OCR) and OpenAI API. Developed an agentic exam solver for high volumes of PDFs using LangChain Agents. Currently importing 8,000+ processed materials to the production database per week.

Fundação Estudar   **Brasilia, Brazil**

Data Analytics Intern   *March - August 2023*

- Most renowned education non-profit in Brazil. Developed exploratory data analyses (EDAs) and user segmentations with Google BigQuery and large datasets (800,000+ users). Performed A/B testing and created an interactive dashboard that provided insights into a long-standing problem on a networking matchmaking test.

AWARDS

- **Honorable Mention (only undergraduate team to receive this recognition):** X Developer Challenge (2024) – San Francisco, CA. [Project Demo](#)
- **First Place:** NASA Space Apps Challenge; selected among 100+ projects – Mountain View, CA (2023). [Blog Post](#)
- **Scholar in Brazil's most selective technology fellowship** (Acceptance rate: 0.5%) – (2022). [Official Website](#)

SKILLS

- Python (5 y) · SQL (Postgres/MySQL) (3y) · C++ · BigQuery · REST APIs · Unit Testing (pytest, Jest) · Git · Docker · scikit-learn · PyTorch · TensorFlow · OpenAI API · Figma (UI/UX) · Technical Writing (LaTeX)