Eduardo Dantas Luna

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EDUCATION

Master of Data Science — Rio de Janeiro, RJ
PUC-RIO — *Mar 2021 — Present*

- **Cumulative Performance Index (CR): 9.8 / 10.0**
- Relevant Coursework: Algorithm Analysis Project, Deep Reinforcement Learning, AI and Multi Agent systems, Practical challenges in AI and Computer Graphics.

Bachelor of Computer Science — Rio de Janeiro, RJ
PUC-RIO — *Mar 2021 — Dec 2024*

- Relevant Coursework Subjects: Human-Computer Interaction (HCI), Machine Learning, Artificial Intelligence, LLMs.

PUBLICATIONS

Luna, E. D., Almeida, V. P. (2024). Towards Interoperability of Systems of Systems Using GraphQL.

- Published at WEBIST 2024 Conference.

WORK EXPERIENCE

Edward Hermann's TA — Aug 2023 — Jun 2024

Alberto Sardinha's TA — Aug 2024 — Present

Backend and data science developer — Aug 2023 — Present
Tecgraf Institute — *Rio de Janeiro, RJ*

- Architected and developed a parser to automate API generation, enhancing machine readability and DX.
- Engineered a Python-based validation library for complex Oil & Gas data models, ensuring data integrity within spreadsheet workflows, with focus on DX.
- Knowledge of cloud and infrastructure, and development in Java, Javascript and Python.

Frontend Developer — Dec 2023 — Mar 2024
Medicina Descomplicada — *Rio de Janeiro, RJ*

- Developed frontend code for a startup using NextJS

SUPPLEMENTARY COURSEWORK

Linear Algebra for Machine Learning Course — Sep 2025 — Oct 2025

Machine Learning Courses, Kaggle — 2024

- Done 8 of the Machine Learning and Data Science Courses of Kaggle

AI PROJECTS

DeepRacer — github.com/Luna-v0/analise-deepracer
Collection of research about bridging Simulation and Reality of DeepRacer RL autonomous toy car.

SMILES Gen — github.com/Luna-v0/smiles
A validator for molecular language called SMILES.

Crime in Rio — github.com/Luna-v0/Delaunay-Clusters
An analysis on the criminal occurrences of Rio de Janeiro trying to map high occurrence zones.

Olympic Analysis — github.com/Luna-v0/olympic-analyses
A web app for recommending the best sports to practice based on personal data.

VIS-3D-ZIP — github.com/Luna-v0/VIS-3D-ZIP
A 3D file compressor using computer vision to compress similar objects.

SKILLS

- **Programming Languages**: Python, Javascript, Typescript, Java.
- **Frameworks and Libraries**: Tensorflow, Pytorch, ReactJS, NextJS, Gymnasium, Mlflow, Pandas, Matplotlib.
- **Other Technologies**: D3, Docker, AWS, Azure, Figma.
- **Languages**: English and Portuguese.