

VITOR YESO FIDELIS FREITAS

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Computer Engineer specializing in AI and infrastructure, managing a 10-GPU lab for projects like LLMs and 3D image generation. Skilled in MLOps and computer vision.

PROFESSIONAL EXPERIENCE

UFRN, Natal, RN — Generative AI Engineer

Jan 2024 - Present

- Built RAG system for +10,000 tickets with ChromaDB/QDrant, improving query accuracy.
- Deployed chatbot with Docker/AI APIs, cutting response time by 30% via MLOps.

UFRN, Natal, RN — Computer Vision Engineer

Jan 2023 - Dec 2023

- Trained high-accuracy fabric defect detectors for industrial use.
- Developed RabbitMQ system for scalable device-AI communication.

TJRN, Natal, RN — AI Analyst

Sep 2022 - Oct 2023

- Automated legal processes in PJe with Selenium, reducing task time.

MPRN, Natal, RN — Machine Learning Engineer

Jan 2021 - Aug 2022

- Designed 8 vision detectors for illicit materials, aiding investigations.

CPQD, Campinas, SP — Machine Learning Intern

Mar 2020 - Mar 2021

- Developed NLP system for medical text classification using AWS.

EDUCATION

UFRN, Natal, RN — Computer Engineering

2024

PUBLICATIONS

"Vehicle Speed Detection..." — SEMISH, SBC, 2020

[Link](#)

"ECT-proj-cnn-vant" — GitHub, 2019

[Link](#)

SKILLS

Tech: Python, PyTorch, TensorFlow, Docker, AWS, Selenium, ChromaDB, Kafka

Domains: RAG, LLMs, Computer Vision, NLP, MLOps

Languages: Portuguese (Native), English (Advanced)