

Ricardo Rossiter Barioni

Machine Learning Engineer

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SUMMARY

Skilled Machine Learning Engineer with expertise in deep learning, computer vision, audio/speech processing, NLP, and academic research. Involved in projects across various fields such as human pose estimation, face recognition, and audio source classification. Interested in pursuing innovative solutions and continuous learning in the field of AI.

EXPERIENCE

•Senior Computer Vision Engineer

Jan 2025 - Current

FCx Labs

Recife, Brazil

- Focused on computer vision and image processing-based solutions.
- Involved in the development and enhancement of e-commerce product catalogs to improve customer experience through high-quality visual content.

•Applied Machine Learning Scientist

Jan 2021 - Jan 2025

SiDi

Campinas, Brazil

- Involved in the development of NLP, audio and speech processing-based solutions.
- Researched and published papers for the task of acoustic source classification.

•Academic Researcher

Aug 2016 - Aug 2020

Voxar Labs

Recife, Brazil

- Carried out research in various fields and published academic papers.
- Established partnerships with companies by providing research as a product.
- Created a framework for quickly and easily creating human pose estimation datasets.
- Researched state-of-the-art solutions for face recognition in images.
- Led research on 3D object reconstruction solutions from RGB images.
- Developed a tool for visualizing bat tracking data from thermal images.
- Investigated the feasibility of augmented reality-based solutions for physiotherapy rehabilitation.

EDUCATION

•M.Sc. in Computer Science

Aug 2018 - Jul 2020

Universidade Federal de Pernambuco

Recife, Brazil

•B.Sc. in Computer Science

Apr 2014 - Jul 2018

Universidade Federal de Pernambuco

Recife, Brazil

CERTIFICATION

•Machine Learning Engineering for Production (MLOps) Specialization

DeepLearning.AI, Coursera

•Probability & Statistics for Machine Learning & Data Science

DeepLearning.AI, Coursera

•Sequence Models

DeepLearning.AI, Coursera

•Introduction to Embedded Machine Learning

Edge Impulse, Coursera

SKILLS

Technical: Python, Deep Learning, TensorFlow, PyTorch, Transformer, NLP, Speech Processing, Computer Vision, Git, Docker, LaTeX

Languages: Portuguese (native), English (proficient)