

# RICARDO ROSSITER BARIONI

Machine Learning Engineer

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Recife, Brazil



## SKILLS

Python   Deep Learning

TensorFlow   PyTorch

Transformer   NLP

Speech Processing

Computer Vision   Git

Docker   LaTeX

## LANGUAGES

Portuguese   Native   ●●●●●

English   Proficient   ●●●●●

## 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

## SUMMARY

Skilled Machine Learning Engineer with expertise in deep learning, audio/speech processing, NLP, computer vision, 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

### Machine Learning Engineer

SiDi

01/2021 - Present   Campinas, Brazil

sidi.org.br

- 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

Voxar Labs

08/2016 - 08/2020   Recife, Brazil

voxarlabs.cin.ufpe.br

- 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

Universidade Federal de Pernambuco

08/2018 - 07/2020

### B. Sc. in Computer Science

Universidade Federal de Pernambuco

04/2014 - 07/2018