

# Yanka Ribeiro

BSc. Computer Scientist | Certified Machine Learning Engineer

01069, Dresden

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yrribeiro.github.io

## WORK HISTORY

### Hvar Consulting, São Paulo — *ML Engineer/Researcher*

SINCE MAY 2024

- Developed and deployed scalable AI solutions on Google Cloud (Vertex AI, BigQuery, Cloud Run, Compute Engine)
- Designed computer vision and NLP prototypes, achieving up to 89% F1 and 40% efficiency gains
- Conducted feasibility studies to assess technical and business impact of ML projects

### IBM Consulting, São Paulo — *Data Scientist*

APRIL 2022 - DECEMBER 2022

- Built ML pipelines for budget classification, reaching 90% precision in production use
- Delivered end-to-end solutions: client requirement analysis, secure pipeline deployment (Docker, Python, Scikit-learn, NLTK)
- Ensured compliance with data governance and security standards

### Edge Research Lab, Maceió — *ML Engineer*

JANUARY 2021 - FEBRUARY 2022

- Designed and deployed NLP systems (spaCy, fine-tuned BERT) to automate government bid analysis
- Reduced bid losses by 65% through predictive models integrated via RESTful APIs and Docker
- Collaborated with multidisciplinary teams to align research prototypes with business applications

## EDUCATION

### TU Dresden, Dresden — *MSc.*

OCTOBER 2024 - JULY 2027 [PREDICTED]

MSc. Computational Modeling and Simulation, track Visual Computing

Main modules: Computer Vision, Machine Learning, Scalable Data Engineering

## TECHNICAL SKILLS

Deep Learning, Computer Vision, NLP, Metric Learning, Scientific Research, Google Cloud (Vertex AI, BigQuery, Cloud Run, Compute Engine), Docker, Git, CI/CD, Python, C++, SQL, TensorFlow, PyTorch, Hugging Face, Scikit-learn, OpenCV, spaCy, NLTK

## CERTIFICATIONS

Professional Machine Learning Engineer Google, 2025

Associate Machine Learning Specialist IBM 2022

Associate Data Scientist IBM 2022

## LANGUAGES

Portuguese (Fluent), Spanish (Fluent), English (Fluent), German (Intermediate)

## **Federal University of Alagoas, Maceió [Brazil] — BSc.**

SEPTEMBER 2019 - DECEMBER 2023

BSc. Computer Science with final grade 1.7 (equivalent in GER)

Main modules: Deep Learning and Image Processing, Software Design and Development, Project Management, Data Science

Bachelor Thesis: “Evaluation of deep metric learning methods for the diagnosis of human visceral leishmaniasis”

## **VOLUNTEER WORK / INTERESTS**

### **KATIE (Women in STEM Program) — Marketing Volunteer**

Organized student–faculty communication, surveys, and orientation

### **AcHa Hacker Outreach Program — Member**

Published cybersecurity articles to the university community and joined technical trainings

### **IEEE Computer Society — Student Volunteer**

Supported academic and outreach initiatives in computer science

### **GEMA (Competitive Programming & AI Group) — Co-founder**

Built first AI-focused study team for programming marathons and competitions

### **Student Academic Office (DIACOM – IC/UFAL) — Secretary**

Organized student–faculty communication, surveys, and orientation

**Additional Interests:** Martial Arts (Krav Maga) • Language Learning • Philosophy & Theology