

Rodolfo | Machine Learning

SUMMARY

Rodolfo is a seasoned Machine Learning Expert with a recent focus on Quantum Computing. He has dedicated his career to solving complex, large-scale business problems under demanding time and technical constraints. With expertise in machine learning, Rodolfo leverages his skills to drive innovation and efficiency. He has worked for leading companies like Mercadolibre and Google, where he led successful projects in Computer Vision and Natural Language Processing. Rodolfo is spearheading efforts at Quantum South, a pioneering Quantum Computing startup, where he administers and benchmarks code across powerful Quantum Computers. He is also an author of two books in the field of Machine Learning, demonstrating his commitment to sharing knowledge and promoting understanding of complex ML concepts. Rodolfo holds a Bachelor's degree in Systems and a final stage M.Sc in Computer Science, with a focus on Computer Vision. He has also pursued postgraduate studies in Parallel Programming and Image Understanding at the University of Stuttgart in Germany. With over 15 years of experience in the field, Rodolfo is open to speaking engagements worldwide to inspire, educate, and contribute to the growth of Data Science and Machine Learning.

CORE SKILLS

- Deep Learning
- Machine Learning
- Google Cloud Platform
- Artificial Intelligence (AI)
- Python

WORK HISTORY

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AI/ML Specialist

August 2023 - Present

- Advised on and developed product solutions leveraging Large Language Models (LLMs) and Computer Vision technologies.
- Collaborated with a leading Australian financial advisory firm to create an automated fact-finding and reporting solution, incorporating real-time audio transcription, speaker diarization, and semantic analysis.
- Designed and implemented a Microsoft Teams Bot to assist meeting participants with real-time task support and follow-up actions.
- Contributed to the development of an LLM-powered HR solution capable of summarizing candidate interviews and assessing key competencies, including English language proficiency.

- Built a Computer Vision–assisted healthcare solution to automatically adjust photo orientation based on Visual Environment (VE) markers, enhancing data accuracy and user experience.
- Currently developing a Computer Vision–based agricultural solution for automatic detection and SKU classification of over 1,000 machine parts, even post-painting.

Quantum-South

Quantum Platforms Engineer

June 2022 - Present

- Leading efforts in administering and benchmarking code across powerful commercially available quantum computers.
- Developing Python modules to streamline the scanning and execution of experiments.
- Generating experiment results reports to document findings and progress.

Augen AI

Founder

December 2020 - August 2022

- Created a Minimum Viable Product (MVP) for emulating real warehouse conditions using 3D game environments to generate datasets for computer vision.
- Developed Python-based deep learning models for various applications.
- Worked on multiple projects related to AI and deep learning, focusing on innovative solutions.

HCL America, Inc. (Client Google)

Program Manager - Engineering - GCP Cloud and AI Industry Solutions

December 2021 - May 2022

- Led successful projects in computer vision and natural language processing.
- Created automation tools for customer support workflows to enhance efficiency.
- Developed a resource database for in-house demoware to support project demonstrations.

Bonzzu (Client: Google)

Co-innovation Data Engineer

June 2020 - December 2021

- Worked on various projects related to deep learning and artificial intelligence.
- Developed and trained models for document processing, including receipt and invoice processing and invoice parsing.
- Supported DocAI-related features for clients, enhancing their data processing capabilities.

Mercado Libre

IT Manager (Specialization: Machine Learning)

August 2019 - June 2020

- Managed IT projects and teams, focusing on machine learning applications.
- Oversaw various projects related to machine learning, ensuring successful implementation and delivery.

Mercado Libre

Tech Lead (Machine Learning)

January 2019 - July 2019

- Led machine learning projects and teams, driving innovation and efficiency.
- Developed and deployed machine learning models for various applications.
- Collaborated on multiple projects related to machine learning, enhancing overall project outcomes.

Machinalis

Computer Vision Specialist

December 2018 - January 2019

- Worked on machine learning projects and teams, focusing on computer vision applications.
- Developed computer vision models to solve complex problems.
- Contributed to educational tracks and represented Machinalis at conferences and events.

Rendsolve PTY LTD

Advisor

September 2018 - December 2018

- Assisted with the development of a machine learning environment and solution deployment tool.
- Worked on various machine learning projects to enhance capabilities and solutions.

Packt

Author

March 2016 - November 2017

- Authored two books: 'Building Machine Learning Projects with Tensorflow' and 'Machine Learning for Developers'.
- Contributed to the promotion and dissemination of knowledge in the field of machine learning.

EDUCATION

Universidad Tecnológica Nacional

Bachelor's degree in Systems, Information Systems Engineer, Informatics
1999 - 2005

University of Stuttgart
Postgraduate studies in Parallel Programming and Image Understanding
2004 - 2005

CERTIFICATIONS

LANGUAGES

Spanish: Native