

Vasco Ramos

[✉ vcc.ramos@campus.fct.unl.pt](mailto:vcc.ramos@campus.fct.unl.pt)  [Scholar Profile](#)  [ramoscsv](#)  [ramoscsv](#)  [Lisbon, Portugal](#)

EDUCATION

PhD in Computer Science

NOVA School of Science and Technology

Feb 2024 - Present

Master's in Computer Science and Engineering

NOVA School of Science and Technology

Sep 2022 - Dec 2024

- Average grade: 17.45/20
- Thesis: Sequence Diffusion Methods to Illustrate Complex Manual Tasks (Grade: 20/20)
- Awarded Top of the Class (MSc Computer Science and Engineering)

Bachelor's in Computer Science and Engineering

Portalegre Polytechnic University

Sep 2019 - Jun 2022

- Average grade: 17/20
- Final Project: Development of a distributed information retrieval system (Grade: 19/20)
- Awarded Top Graduate of the School

RESEARCH PROJECTS

Measuring the Consistency of Generative AI Methods in the Visual Domain

Nov 2023 - Present

Google Research & NOVA SST

- Role: Researcher | Funded by: Google PO 4100419164
- Research on generative methods for creating image and video content, while evaluating the consistency and groundedness of the results.

TWIZ v2: The Wizard of Multimodal Conversational AI

Jun 2022 - Sep 2023

Amazon Science & NOVA SST

- **Winning Team** of Alexa Prize TaskBot Challenge (2nd edition)
- Competition to build conversational AI systems that assist users in multi-step activities while maintaining context and seamless interaction.

EXPERIENCE

Graduate Researcher & PhD Researcher

May 2023 – Present

NOVA SST

- Research on conversational agents, multimodal models and information retrieval.

Deep Learning Course Instructor - CMU Portugal Academy

Jan 2025 – Feb 2025

Carnege Mellon Portugal

- Taught Natural Language Processing, Computer Vision and Multimodal Generative AI at CMU Portugal Advanced Training Program

Deep Learning Course Instructor - Samsung Innovation Campus Course

Oct 2024 – Feb 2025

Samsung & NOVA SST

- Taught Deep Learning fundamentals along with advanced topics in Computer Vision and Natural Language Processing using large language models.

Software Developer

Dec 2020 – Apr 2021

DotIt

- Improved database performance by refactoring database architecture and queries.

COURSES & CERTIFICATIONS

LxMLS 2024: 14th Lisbon Machine Learning School	Jul 2024
- Summer school focused on Machine Learning and Natural Language Processing.	
Cisco Networking Academy Certifications	2021 - 2022
- CCNA1 (Mar 2021), CCNA2 (Sep 2021), CCNA3 (May 2022)	

LANGUAGES

Portuguese - Native
English - Professional Proficiency
Spanish - Professional Proficiency

Publications

Latent Beam Diffusion Models for Generating Visual Sequences ↗	2025
<i>Submitted and Under Review</i>	
Guilherme Fernandes, Vasco Ramos , Regev Cohen, Idan Szpektor, Joao Magalhaes	
Contrastive Sequential-Diffusion Learning: Non-linear and Multi-Scene Instructional Video Synthesis ↗	2025
<i>2025 IEEE/CVF Winter Conference on Applications of Computer Vision (WACV)</i>	
Vasco Ramos , Yonatan Bitton, Michal Yarom, Idan Szpektor, Joao Magalhaes	
Generating Coherent Sequences of Visual Illustrations for Real-World Manual Tasks ↗	2024
<i>62nd Annual Meeting of the Association for Computational Linguistics</i>	
Presented the work in the poster session.	
João Bordalo, Vasco Ramos , Rodrigo Valério, Diogo Glória-Silva, Yonatan Bitton, Michal Yarom, Idan Szpektor, Joao Magalhaes	
TWIZ: The Wizard of Multimodal Conversational-Stimulus ↗	2023
<i>Alexa Prize TaskBot Challenge 2 Proceedings</i>	
Rafael Ferreira, Diogo Tavares, Diogo Silva, Rodrigo Valério, João Bordalo, Inês Simões, Vasco Ramos , David Semedo, Joao Magalhaes	

Academic Service

1st Workshop on Long Multi-Scene Video Foundations Generation, Understanding and Evaluation at ICCV 2025 ↗	Oct 2025
<i>Role: Main Organizer</i>	