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António Raimundo

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Curriculum

António Raimundo, who holds a PhD in Information Science and Technology from Iscte - University Institute of Lisbon, Portugal, is an Assistant Professor at the School of Applied Digital Technologies at Iscte Sintra, where he also coordinates the Bachelor's degree in Digital Technologies and Artificial Intelligence. Currently, he is an Integrated Researcher at ISTAR-IUL, focusing his research on areas such as Machine Learning / Deep Learning, Large Language Models, Computer Vision, and Data Science. With several years of teaching experience, he has had the opportunity to be a trainer in short courses, postgraduate programs, and a speaker at various business events.

Research Interests

- Artificial Intelligence
- Image Analysis and Processing
- UAVs, Drones
- Data Science
- Web Development

Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitário de Lisboa	PhD	Ciências e Tecnologias da Informação	2023
ISCTE-Instituto Universitário de Lisboa	M.Sc.	Engenharia Informática	2016
ISCTE - Instituto Universitário de Lisboa	Licenciate	Engenharia Informática	2015

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2026/2027	2º	Advanced Search Algorithms	Bachelor Degree in Digital Technologies and Artificial Intelligence;	No
2026/2027	2º	Unsupervised Machine Learning	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2026/2027	2º	Supervised Machine Learning	Bachelor Degree in Mathematics Applied and Digital Technologies;	Yes
2026/2027	2º	Artificial Intelligence		Yes
2026/2027	2º	Applied Project in Artificial Intelligence II	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2026/2027	1º	Supervised Machine Learning	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2026/2027	1º	Big Data		Yes
2026/2027	1º	Artificial Intelligence		Yes
2026/2027	1º	Text Mining		Yes
2026/2027	1º	Applied Project in Artificial Intelligence I	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2026/2027	1º	Artificial Intelligence for Business		Yes
2026/2027	1º	Research Seminar on Applied Machine Learning		Yes
2025/2026	2º	Autonomous Agents		Yes

2025/2026	2º	Advanced Search Algorithms		Yes
2025/2026	2º	Unsupervised Machine Learning	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2025/2026	2º	Supervised Machine Learning	Bachelor Degree in Mathematics Applied and Digital Technologies;	Yes
2025/2026	2º	Big Data		Yes
2025/2026	2º	Artificial Intelligence	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2025/2026	2º	Text Mining		Yes
2025/2026	2º	Applied Project in Artificial Intelligence II	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2025/2026	2º	Digital Technologies Applied to Society	Training Course in Digital Technologies Applied to Society;	No
2025/2026	2º	Intelligent Models Engineering	Post Graduation Program in Applied Machine Learning;	No
2025/2026	2º	Introduction to Data Science	Training Course in Data Science & Business Analytics;	No
2025/2026	2º	Artificial Intelligence from the User's Perspective	Training Course in Artificial Intelligence from the User's Perspective;	Yes
2025/2026	2º	Advanced Techniques for Language Models		Yes
2025/2026	1º	Supervised Machine Learning	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2025/2026	1º	Big Data		Yes
2025/2026	1º	Artificial Intelligence	Bachelor Degree in Mathematics Applied and Digital Technologies;	Yes
2025/2026	1º	Text Mining		Yes
2025/2026	1º	Applied Project in Artificial Intelligence I	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2025/2026	1º	Artificial Intelligence for Business	Bachelor Degree in Digital Technologies and Management;	Yes
2025/2026	1º	High Performance Graphical Computing	Post Graduation Program in Applied Machine Learning;	Yes
2024/2025	2º	Advanced Search Algorithms		Yes

2024/2025	2º	Unsupervised Machine Learning	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2024/2025	2º	Supervised Machine Learning		Yes
2024/2025	2º	Big Data		Yes
2024/2025	2º	Artificial Intelligence	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2024/2025	2º	Text Mining		Yes
2024/2025	2º	Applied Project in Artificial Intelligence II	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2024/2025	2º	Digital Technologies Applied to Society	Training Course in Digital Technologies Applied to Society;	Yes
2024/2025	1º	Unsupervised Machine Learning		Yes
2024/2025	1º	Supervised Machine Learning	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2024/2025	1º	Big Data		Yes
2024/2025	1º	Artificial Intelligence	Bachelor Degree in Mathematics Applied and Digital Technologies;	Yes
2024/2025	1º	Text Mining		Yes
2024/2025	1º	Applied Project in Artificial Intelligence I	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2024/2025	1º	Web Application Technologies	Module in Web Application Technologies;	Yes
2023/2024	2º	Unsupervised Machine Learning	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2023/2024	2º	Supervised Machine Learning	Bachelor Degree in Mathematics Applied and Digital Technologies;	Yes
2023/2024	2º	Managing Digital Transformation		No
2023/2024	2º	Artificial Intelligence	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2023/2024	1º	Data Science Fundamentals		No
2023/2024	1º	Supervised Machine Learning	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2023/2024	1º	Programming Fundamentals	Bachelor Degree in Politics, Economics and Society;	No

2023/2024	1º	Artificial Intelligence	Bachelor Degree in Mathematics Applied and Digital Technologies;	Yes
2022/2023	2º	Development for Internet and Mobile Apps	Bachelor Degree in Computer Science and Business Management (PL);	No
2022/2023	2º	Artificial Intelligence	Bachelor Degree in Digital Technologies and Artificial Intelligence;	No
2022/2023	2º	Project in Digital Technologies I		No
2022/2023	2º	Project in Digital Technologies I		No
2022/2023	2º	Project in Digital Technologies I		No
2022/2023	2º	Project in Digital Technologies I		No
2022/2023	2º	-		Yes
2022/2023	1º	Data Science Fundamentals	Institutional Degree in Escola de Tecnologias e Arquitetura;	No
2022/2023	1º	Programming Fundamentals		No
2022/2023	1º	Introduction to Cybersecurity		No
2021/2022	2º	Development for Internet and Mobile Apps	Bachelor Degree in Computer Engineering (PL);	No
2021/2022	1º	Data Science Fundamentals		No
2020/2021	1º	Data Science Fundamentals		No
2018/2019	1º	Mathematics		No
2018/2019	1º	Mathematics		No

Supervisions

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Andreia Mariana Ferreira Carreira	Digital Staining In Cervical Cytology	English	Developing	Iscte
2	Diogo Rodrigues Gomes da Silva	Forecast of CO Emissions in the Portuguese Energy Sector through Machine Learning Techniques.	--	Developing	Iscte

3	Diogo Alves Juncal	Impact of Internal LLMs on Process Productivity within Companies and Implementation in the FinTech Area.	--	Developing	Iscte
4	Miguel Zaragoza Pedro de Almeida Padrão	Current uses for Machine Learning/Computer Vision in patients with Chronic Rhinossinusitis	--	Developing	Iscte
5	Luís Manuel Maceiro Cantante	Optimization of C-UAS Systems through Computer Vision and Artificial Intelligence	--	Developing	Iscte
6	Ricardo José Martins Castanheira	Identificação de pontos de incidência dos acidentes rodoviários e da sua correlação com outros factores na cidade de Lisboa	English	Developing	Iscte
7	José Nascimento da Silva	Machine Learning para previsão do Índice Mundial de Felicidade e Qualidade de Vida	English	Developing	Iscte
8	José Miguel Ferreira dos Santos	Plataforma web para gestão de inspecções industriais suportada por drones	English	Developing	Iscte
9	José Miguel Ferreira dos Santos	Plataforma web para gestão de inspecções industriais suportada por drones	English	Developing	Iscte
10	João Francisco Diogo Almeida Lopes Martins	Sistema de análise de stress hidrico para aplicação em vinha suportado por drones	English	Developing	Iscte
11	José Miguel Ferreira dos Santos	Plataforma web para gestão de inspecções industriais suportada por drones	English	Developing	Iscte

- Concluded

	Student Name	Title/Topic	Language	Institution	Concluding Year
1	Filipe de Oliveira Faustino Arsénio	Anticipating Financial Risk: Machine Learning for Debt Management in Telecommunications	English	Iscte	2025
2	Myslane Kalyne de Farias	Flight Arrival Delay Prediction in European Airports: A Machine Learning Approach Structured By CRISP-DM	English	Iscte	2025
3	Francisco Manuel da Silva Luz	Enhancing Virtual Physiotherapy Through Computer Vision and Pose Estimation	English	Iscte	2024

4	João Francisco Diogo Almeida Lopes Martins	Water stress analysis system for vineyard applications supported by uavs	Portuguese	Iscte	2020
5	Carlos Miguel Domingues Saraiva	AUTONOMUS ENVIROMENTAL PROTECTION DRONE	English	Iscte	2019

• M.Sc. Final Projects

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	Ana Paula Quirino Marques Ferreira Capitão	"Digital Transformation in Music Education: An Intervention Project with AI and Virtual and Augmented Reality in Lower Secondary Education"	Portuguese	Developing	Iscte

Total Citations

Web of Science®	125
Scopus	169

Publications

• Scientific Journals

- Scientific journal paper

1	Arsénio, F., Raimundo, A. & Pavia, J. P. C. B. B. (2026). Anticipating financial risk: Machine learning for debt management in telecommunications. IEEE Access, 14, 29523?29538. https://doi.org/10.1109/ACCESS.2026.3665976 - Times Cited Scopus: 1
2	Monge, J., Raimundo, A., Ribeiro, G., Postolache, O. & Santos, J. (2023). AI-based smart sensing and AR for gait rehabilitation assessment. Information, 14(7). https://doi.org/10.3390/info14070355 - Times Cited Web of Science®: 17 - Times Cited Scopus: 26 - Times Cited Google Scholar: 43
3	Pereira, F., Costa, J. M., Ramos, R. F. & Raimundo, A. (2023). The impact of the COVID-19 pandemic on airlines' passenger satisfaction. Journal of Air Transport Management, 112. https://doi.org/10.1016/j.jairtraman.2023.102441 - Times Cited Web of Science®: 33 - Times Cited Scopus: 25 - Times Cited Google Scholar: 54

4	Raimundo, A., Pavia, J. P., Sebastião, P. & Postolache, O. (2023). YOLOX-Ray: An efficient attention-based single-staged object detector tailored for industrial inspections. Sensors, 23(10). https://doi.org/10.3390/s23104681 - Times Cited Web of Science®: 10 - Times Cited Scopus: 14 - Times Cited Google Scholar: 16
5	Cordeiro, J., Raimundo, A., Postolache, O. & Sebastião, P. (2021). Neural architecture search for 1D CNNs - Different approaches tests and measurements. Sensors, 21(23), 7990. https://doi.org/10.3390/s21237990 - Times Cited Web of Science®: 50 - Times Cited Scopus: 66 - Times Cited Google Scholar: 88
6	Fernandes, D., Raimundo, A., Cercas, F., Sebastião, P., Dinis, R. & Ferreira, L. S. (2020). Comparison of artificial intelligence and semi-empirical methodologies for estimation of coverage in mobile networks. IEEE Access, 8, 139803?139812. https://doi.org/10.1109/ACCESS.2020.3013036 - Times Cited Web of Science®: 13 - Times Cited Scopus: 22 - Times Cited Google Scholar: 28

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Silvério, A., Raimundo, A. & Sebastião, P. (2019). Mobile communication systems to control UAVs: Measurements of QoS parameters. 2019 International Conference on Sensing and Instrumentation in IoT Era (ISSI). IEEE. https://doi.org/10.1109/ISSI47111.2019.9043646 - Times Cited Scopus: 2 - Times Cited Google Scholar: 2
2	Raimundo, A., Fernandes, D., Gomes, D., Postolache, O., Sebastião, P. & Cercas, F. (2018). UAV GNSS position corrections based on IoT communication protocol. 2018 International Symposium in Sensing and Instrumentation in IoT Era (ISSI). IEEE. https://doi.org/10.1109/ISSI.2018.8538179 - Times Cited Scopus: 7 - Times Cited Google Scholar: 7
3	Raimundo, A., Peres, D., Santos, N., Sebastião, P. & Souto, N. (2017). Using distance sensors to perform collision avoidance maneuvres on UAV applications. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives (pp. 303?309). Copernicus Publications. https://doi.org/10.5194/isprs-archives-XLII-2-W6-303-2017 - Times Cited Web of Science®: 2 - Times Cited Scopus: 3 - Times Cited Google Scholar: 12
4	Santos, N., Raimundo, A., Peres, D., Sebastião, P. & Souto, N. (2017). Development of a software platform to control squads of unmanned vehicles in real-time. 2017 International Conference on Unmanned Aircraft Systems (ICUAS). IEEE. https://doi.org/10.1109/ICUAS.2017.7991529 - Times Cited Scopus: 3 - Times Cited Google Scholar: 11

• Other Publications

- Other publications

1	Raimundo, A. & Sebastião, P. (2019). Exploring New Ways to Perform Inspection Plans using UAVs and Artificial Intelligence. ConfTele,.

- Master's Dissertation

1	Raimundo, A. (2016). Autonomous Obstacle Collision Avoidance System for UAVs in rescue operations.. - Times Cited Google Scholar: 12

- Doctoral Thesis

1	Raimundo, A. (2023). A New Way of Performing Inspection Plans using Computer Vision and Deep Learning Algorithms., 1?148.

Research Projects

Project Title	Role in Project	Partners	Period
Crossing the Atlantic for Scientific and Teaching-Learning Cooperation	Researcher	ISTAR-Iscte (DLS) - Leader, BSU - (United States of America)	2024 - 2025
Models and Instruments for Transforming Higher Education Systems through Transnational Multi-Sector Links	Researcher	CIES-Iscte, BRU-Iscte, ISTAR-Iscte, DINAMIA'CET-Iscte, UNWE - Leader (Bulgaria), UBB - (Romania), METU - (Turkey), ESPAP - (Portugal), AZ - (Bulgaria), RM - (Bulgaria), C.School - (Romania), Novarge - (Turkey), Associação 101010 Portugal (Escola 42) - (Portugal)	2024 - 2027
Artificial Intelligence and Data Science for Public Administration Portugal Innovation Hub	Researcher	ISTAR-Iscte (DLS) - Leader, AMA - (Portugal), AIP – CCI - (Portugal), ANPME - (Portugal), AUDAX - (Portugal), CMS - (Portugal), CMV - (Portugal), CCDR Algarve - (Portugal), CoLABOR - - (Portugal), DGEEC - (Portugal), Esri Portugal - (Portugal), GEP/MTSSS - (Portugal), INDEG - (Portugal), IPPS - (Portugal), Mentortec - (Portugal), MORE CoLAB - (Portugal), NOVA IMS - (Portugal), Oeste CIM - (Portugal), UNINOVA – - (Portugal), UNU-EGOV - (Portugal)	2023 - 2025

Academic Management Positions

Coordenador do 2º Ano (2026 - 2027)
Unit/Area: Bachelor Degree in Digital Technologies and Artificial Intelligence

Director (2026 - 2029)
Unit/Area: Master Degree in Applied Machine Learning

Coordenador do 2º Ano (2026)
Unit/Area: Bachelor Degree in Digital Technologies and Artificial Intelligence

Director (2026)
Unit/Area: Training Course in Data Science & Business Analytics

Director (2026)
Unit/Area: Training Course in Artificial Intelligence from the User's Perspective

Coordenador do 3º Ano (2025 - 2026)
Unit/Area: Bachelor Degree in Digital Technologies and Artificial Intelligence

Director (2025 - 2026)
Unit/Area: Bachelor Degree in Digital Technologies and Artificial Intelligence

Membro (Docente) (2025 - 2028)
Unit/Area: Comissão Científica

Director (2025 - 2027)
Unit/Area: Post Graduation Program in Applied Machine Learning

Coordenador do 3º Ano (2024 - 2025)
Unit/Area: Bachelor Degree in Digital Technologies and Artificial Intelligence

Director (2024 - 2026)
Unit/Area: Bachelor Degree in Digital Technologies and Artificial Intelligence

Vogal Executivo (2024 - 2026)
Unit/Area: Iscte - Associação para Transformação Digital

Coordenador do 1º Ano (2023 - 2024)
Unit/Area: Bachelor Degree in Digital Technologies and Artificial Intelligence

Membro (Docente) (2022 - 2024)
Unit/Area: Comissão Pedagógica

Coordenador do 1º Ano (2022 - 2023)
Unit/Area: Bachelor Degree in Digital Technologies and Artificial Intelligence

Awards

ISTA Top Talent - Masters Degree (2016)

Professional Associations

Iscte-ATD - Association for Digital Transformation (Since 2024)

Organization/Coordination of Events

Type of Organization/Coordination	Event Title	Organizer	Year
Member of scientific event's organizing committee	WPMC 2019 - 22nd International Symposium on Wireless Personal Multimedia Communications	ISCTE-IUL	2019
Member of scientific event's organizing committee	ISSI 2019 - International Symposium on Sensors and Instrumentation in IoT Era	ISCTE-IUL	2019
Member of scientific event's organizing committee	Visions for Future Communications Summit 2017	ISCTE-IUL	2018

Coordination of non-scientific event	FISTA'17 - Forum of ISCTE-IUL School of Technology and Architecture	ISCTE-IUL	2017
Member of non-scientific event's organizing committee	FISTA'16 - Forum of ISCTE-IUL School of Technology and Architecture	ISCTE-IUL	2016
Member of non-scientific event's organizing committee	FISTA'15 - Forum of ISCTE-IUL School of Technology and Architecture	ISCTE-IUL	2015
Member of non-scientific event's organizing committee	FISTA'14 - Forum of ISCTE-IUL School of Technology and Architecture	ISCTE-IUL	2014

Scientific Editing/Reviewing Activities

Type of Activity	Journal Title	ISSN/Quartile	Period	Language
Scientific journal editor	Expert Systems	1468-0394 / Q1 (T10)	2024	Portuguese