

Curriculum Vitae

Helder Rodrigo Pinto

Helder Rodrigo Pinto is a Professor of Computer Science at ISEP and ISTEC Porto, a researcher at GECAD - ISEP, Director of CITECA - ISTEC Porto Research Center, and Chair of the Technical and Scientific Council at ISTEC Porto. He is also Director of R&D at a healthcare start-up - MEDCEI. He completed his PhD in Information Science, a master's degree in Computer Engineering, a postgraduate degree in Artificial Intelligence for Machine Learning, and an MBA in Business Management. Since 2008, his professional career has included training in the fields of Computer Science and Digital Art, consulting, educational coordination, and project management at various companies, such as Microsoft, UFP, ISLA Gaia, CESAE, ATEC, Rumos, GTI, and the CRIAP Institute. His main interests are: Data Science; Artificial Intelligence; Software Engineering; Design Thinking; Learning and Performance Assessment.

Identification

Personal identification

Full name
Helder Rodrigo Pinto

Citation names

Pinto, Helder
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Author identifiers

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0009-0003-5810-9383

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Knowledge fields

Exact Sciences - Computer and Information Sciences - Computer Sciences
Social Sciences - Media and Communications - Information Science

Languages

Language	Speaking	Reading	Writing	Listening	Peer-review
Portuguese (Mother tongue)					
English	Upper intermediate (B2)	Advanced (C1)	Advanced (C1)	Advanced (C1)	Advanced (C1)

Education

	Degree	Classification
2024/09 - 2025/06 Concluded	Artificial Intelligence for Machine Learning (Postgraduate Program) Universidade Europeia IADE Faculdade de Design Tecnologia e Comunicação, Portugal	19
2023/04 - 2024/11 Concluded	Executive MBA (Master of Business Administration) (Master's Degree) Institute of Business Management, Portugal	17
2019/09 - 2023/06 Concluded	PhD in Information Science - Systems, Technologies and Information Management (Doctorate) Universidade Fernando Pessoa, Portugal *"Evaluation of Technical and Soft Skills Evolution, in a Professional Training Path"* *(THESIS/DISSERTATION)*	Excellent
2021/05 - 2021/07 Concluded	Pedagogical Training of the Distance Trainer (e-Trainer) (Others) Centro de Serviços e Apoio às Empresas, Portugal	
2018/10 - 2018/11 Concluded	Scrum for Agile Project Management (as Scrum Master or Product Owner) (Others) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal	
2010/09 - 2012/10 Concluded	MSc in Computer Engineering - Graphic and Multimedia Systems (Master's Degree) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal *"Exploração vocacional: recorrendo a biossensores cognitivos"* *(THESIS/DISSERTATION)*	14

2011/10 - 2012/05 Concluded	CCNA - Cisco Certified Network Associate (Others) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal	
2007/09 - 2010/07 Concluded	Degree in Computer Engineering (Licenciate Degree) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal	14
2007/06 - 2007/07 Concluded	Pedagogical Training for Trainers (Others) Instituto do Emprego e Formação Profissional, Portugal	

Affiliation

Science

	Category Host institution/organization	Employer
2025/09 - Current	Coordinating Researcher (Research) Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal	CITECA - Center for Research in Advanced Technologies, Portugal
2024/09 - Current	Researcher (Research) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal	Instituto Politécnico do Porto Grupo de Investigação em Engenharia e Computação Inteligente para a Inovação e o Desenvolvimento, Portugal
2023/07 - Current	Researcher (Research)	SIIS - Social Innovation and Integration Systems, Portugal

Teaching in Higher Education

	Category Host institution/organization	Employer
2024/09 - Current	Adjunct Teacher (Polytechnic Teacher)	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal

2023/09 - Current	Invited Adjunct Teacher (Polytechnic Teacher)	Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2023/09 - 2024/08	Adjunct Teacher (Polytechnic Teacher)	ISLA Gaia Instituto Politécnico de Gestão e Tecnologia, Portugal
2021/09 - 2023/07	Invited Assistant (University Teacher)	Universidade Fernando Pessoa, Portugal
2018/09 - 2023/07	Invited Assistant (Polytechnic Teacher)	Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2014/10 - 2018/07	Invited Assistant (Polytechnic Teacher)	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal

Positions / Appointments

	Category Host institution/organization	Employer
2025/10 - Current	Director of the Postgraduate Programme in Agile Software Development	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal
2025/09 - Current	President of the Scientific-Technical Council	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal
2025/09 - Current	Director of Computer Engineering Degree	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal
2024/09 - Current	CTeSP Coordinator - Robotics and Artificial Intelligence	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal

2015/06 - 2021/11	CET Coordinator - Information Systems Technology and Programming	ATEC - Training Academy, Portugal
2015/04 - 2021/11	CET Coordinator - Network and IT Systems Management	ATEC - Training Academy, Portugal
2017/09 - 2018/07	CTeSP Coordinator - Mobile Application Development	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal
2016/09 - 2018/07	CTeSP Coordinator - Multimedia Product Development	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal
2015/09 - 2018/07	CTeSP Coordinator - Computer Networks and Systems	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal

Others

	Category Host institution/organization	Employer
2025/12 - Current	Senior Technical Instructor	GTI Portugal, Portugal
2025/05 - Current	Senior Erasmus Instructor	Learning Together Portugal, Portugal
2023/09 - 2025/07	Training and Consulting (Pedagogical Training for Trainers)	Instituto CRIAP, Portugal
2008/10 - 2024/07	IT Consultant & Training Specialist	Centro de Serviços e Apoio às Empresas, Portugal
2022/11 - 2024/05	Microsoft Master Trainer Portugal (Consulting) Pleiades-TI, Spain	Microsoft Portugal, Portugal
2021/12 - 2023/11	Project Management Consultant	Centro de Serviços e Apoio às Empresas, Portugal

2015/02 - 2023/11	Trainer, IT Coordinator	ATEC, Portugal
2018/09 - 2023/06	Trainer	Foresp - Escola Tecnológica, Portugal
2013/04 - 2015/03	Trainer (CCNA Instructor)	Rumos, Portugal

Projects

Contract

	Designation	Funders
2026/04 - Current	Development of a Web and Mobile Platform for AlgarveMedAssist 03/C05-i14.01/2025 Supervisor CITECA - Center for Research in Advanced Technologies, Portugal	Secretaria de Estado das Comunidades Portuguesas, Portugal Ongoing
2025/09 - 2026/07	AI for Predicting Recidivism in Domestic Violence in Portugal TD-C19-i07.04 Principal investigator CITECA - Center for Research in Advanced Technologies, Portugal	Secretaria de Estado das Comunidades Portuguesas, Portugal Concluded
2025/02 - 2025/07	Young2HL – Youth Health Literacy 2023-2-PT01-KA210-VET-000177280 Technical development ISLA Gaia Instituto Politécnico de Gestão e Tecnologia, Portugal	Erasmus Plus, Belgium Concluded

Outputs

Publications

Book chapter

1 Diana Cardoso; Hélder Pinto; Marcelo Nogueira; La Salete Alves. "Identification of Dental Implant Brands with Deep Learning". 2026.
10.1007/978-3-031-99699-3_26

2 Pinto, Helder. "Avaliação de Competências Técnicas Humanas: proposta de um modelo adaptado para a Formação Profissional". In *Gestão da Informação para Transformação Digital*. Portugal: Belo Horizonte: Conhecimento Editora, 2023.

Conference paper	1	Helder Rodrigo Pinto. "INTEGRATION OF SCRUM PROJECT-BASED LEARNING (PBL) AND FORUM TOOLS IN COMPUTER ENGINEERING DEGREE EDUCATION". 2025. 10.21125/inted.2025.1832
	2	Helder Rodrigo Pinto. "NOTEBOOKLM: CASE STUDY FOR GENERATING MULTIPLE CHOICE QUESTIONS FOR ASSESSMENT TESTS". 2025. 10.21125/inted.2025.1950
	3	Pinto, Helder. "Scrum Project Based Learning (PBL) na Educação de Licenciatura em Engenharia Informática". Paper presented in *10º Congresso Nacional de Práticas Pedagógicas no Ensino Superior CNaPPES.24. ISCAP. Porto. 2024*, 2024. 10.34630/PEL.V7I1.5820
	4	Pinto, H.. "Assessment of the Evaluation of Technical and Soft Skills in a Professional Training Course: Pilot Study to Analyze the Efficiency of the Instruments and Results". Paper presented in *PERSPECTIVES AND TRENDS IN EDUCATION AND TECHNOLOGY, ICITED 2022*, 2022. 10.1007/978-981-19-6585-2_15
Conference poster	1	Cristiana Palmela Pereira. "AIUDF - Artificial Intelligence Unidentified Dental Form - the new aproach in DVI". 2026. 10.57849/ULISBOA.FM.IOFOS_PROOCEDINGS-BOOK-2026
	2	Pinto, Helder. "Softskills as the main development goal, in professional training". Paper presented in *22º Congresso Internacional de Formação para o Trabalho Norte de Portugal/Galiza - Escola Superior de Ciências Empresariais, Valença, Portugal.*, 2022.
Journal article	1	Helder Rodrigo Pinto. "MLOps Tool Technology Review: Analysis of Support for the Machine Learning Model Lifecycle and Application Recommendations". *Journal of Pioneering Artificial Intelligence Research* (2026): http://dx.doi.org/10.63721/26jpair0123. 10.63721/26jpair0123
	2	Pinto, Helder. "Avaliação de Competências – Modelo para Avaliação da Evolução". *Pratica* 7 (2024): 55-61. https://parc.ipp.pt/index.php/elearning/article/view/5822. Published • 10.34630/PEL.V7I2.5822
Thesis / Dissertation	1	Pinto, Helder Rodrigo. "Avaliação da evolução de competências transversais e técnicas, num percurso de formação profissional". PhD, 2023. http://hdl.handle.net/10284/12023.
	2	Pinto, Helder Rodrigo Soares. "Exploração vocacional: recorrendo a biossensores cognitivos". Master, 2012. http://hdl.handle.net/10400.22/3284.

Activities

Oral presentation

	Presentation title	Event name Host (Event location)
2026	Professionals' Perception and Trust in AI Predictions in High-Risk Contexts	International Conference on AI, Data Science, Cybersecurity, Cloud Architectures, and Software Engineering (Frankfurt, Germany)
2025	Do presente ao futuro: que caminhos são possíveis para a segurança pública?	Conferência do Ministério da Administração Interna (MAI)
2025	AI for Predicting Domestic Violence Recidivism in Portugal	International Conference on Artificial Intelligence and Cybersecurity & Intelligent Machine Age 2025: Advancing Robotics, Automation, Semiconductors, and Next-Gen Space & Automotive Technologies (Osaka, Japan)
2025	AI for Predicting Domestic Violence Recidivism in Portugal	Applied Computing 2025, IADIS - International Conference Applied Computing 2025, CELDA (Porto, Portugal)
2025	A culpa não é da IA. É como as empresas a usam	ISTEC Porto (Porto, Portugal)
2025	Profissões do Futuro, com a Inteligência Artificial	JOTECA – Jornadas de Tecnologias Avançadas (Porto, Portugal)
2015	Biossensores Cognitivos	ISTEC (Porto, Portugal)

Supervision

	Thesis Title Role	Degree Subject (Type) Institution / Organization
2025 - Current	Inteligência Artificial para Previsão de Violência nas Escolas em Portugal Co-supervisor of Tomás Ribeiro (1191113)	Computer Engineering (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2025 - 2026	Estudo sobre a Percepção e Confiança de Profissionais nas Previsões de IA em Contextos de Alto Risco Co-supervisor of Daniel Oliveira (1210693)	Computer Engineering (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal

2025 - 2026	IA para Otimização de Rotas e Recursos em Apoios ao Domicílio Co-supervisor of André Teixeira (1190384)	Computer Engineering (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2024 - 2025	Sistema Multiplataforma de UI Adaptativa Supervisor of Tiago Machado (1191097)	Computer Engineering (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2023/09 - 2024/06	Scaling Friendzone: From an MVP to Large Scale Production Supervisor of Luís Neves (1191421)	Computer Engineering (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal

Event organisation

	Event name Type of event (Role)	Institution / Organization
2026/06 - Current	JOTECA – 2as Jornadas de Tecnologias Avançadas (2026) Conference (President of the Organising Committee)	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal
2026 - Current	Global Game Jam ISTEC Porto (2026) Exhibition (Co-organiser)	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal
2026 - Current	Hackathon "Tem Sprint is Coming" (2026) Workshop (Member of the Organising Committee)	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal
2026 - Current	Robotics Day (2026) Exhibition (Member of the Organising Committee)	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal
2025 - Current	JOTECA – 1as Jornadas de Tecnologias Avançadas (2025) Conference (President of the Organising Committee)	Instituto Superior de Tecnologias Avançadas de Lisboa Porto, Portugal
2024/05/17 - 2024/05/17	"Inteligência Artificial no Ensino Superior" | Dia da Escola Superior de Tecnologia do ISLA Gaia (2024/05/17 - 2024/05/17) Seminar (Co-organiser)	ISLA Gaia Instituto Politécnico de Gestão e Tecnologia, Portugal
2014 - 2014	TEDx Matosinhos (2014 - 2014) Conference (Other)	

2013 - 2013	TEDx Matosinhos (2013 - 2013) Conference (Other)	
2009 - 2009	II Luso-Brazilian Conference on Teaching and Technology in Engineering (2009 - 2009) Conference (Other)	Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal

Jury of academic degree

	Theme Role	Candidate name (Type of degree) Institution / Organization
2025	Generating presentation documents from procedural resources (Thesis) Main arguer	Pedro Pacheco (1181034) (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2025	Desenvolvimento de um Sistema Integrado para Gestão de Workflows e Documentos President of the jury	Luís Silva (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2025	Análise e Implementação de uma Ferramenta de Monitorização da Rede (Thesis) Main arguer	Gonçalo Corredoura (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2025	Solidity Code Security Analysis with Generative AI (Thesis) Main arguer	Francisco Silva (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2025	Enhancing Liability Management: A Unified Approach to Code Consolidation, Performance (Thesis) Main arguer	Hugo Videira (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2025	Experimentação de Plataformas de Dados & AI na Cloud (Thesis) Main arguer	João Figueiredo (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2025	Análise de Ferramentas para Deteção de Problemas de Concorrência em Java: Um Estudo Comparativo President of the jury	Luís Vigário (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2025	Estudo exploratório sobre aplicações de Modelos de Linguagem de Larga Escala em acessibilidade web (Thesis) Main arguer	Leandro Sousa (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal

2025	Gestão e Monitorização de Unidades de Produção para Autoconsumo (Thesis) Main arguer	João Araújo (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2024/01	Graceful Degradation in Microservices Architectures President of the jury	Mário Gomes (1120857) (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2024/01	Migrating REST applications to gRPC, President of the jury	Hugo Amaral (1210101) (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal
2024/01	The Art of Chaos: Enhancing System Resilience with Chaos Engineering President of the jury	Hugo Ribeiro (1220251) (Master) Instituto Politécnico do Porto Instituto Superior de Engenharia do Porto, Portugal

Conference scientific committee

	Conference title	Conference host
2025 - Current	JOTECA – Jornadas de Tecnologias Avançadas	ISTEC Porto
2025 - 2025	Simpósio de Engenharia Informática (SEI'25)	ISEP
2024/06 - 2024/06	I Seminário Internacional Multidisciplinar de Investigação e Pesquisa	Paideia Conexões Acadêmicas; Faculdade Arnaldo; Universidade Fernando Pessoa, Universidade Lusófuna

Consulting

	Activity description	Institution / Organization
2022/02 - 2023/10	Pedagogical Leader of PRO_MOV by Reskilling4Employment @DigitalLAB & @BusinessIntelligenceLAB	Centro de Serviços e Apoio às Empresas, Portugal Instituto do Emprego e Formação Profissional, Portugal Associação Empresarial de Portugal, Portugal Sonae SGPS SA, Portugal SAP Ireland, Ireland
2021/12 - 2023/10	Designer and Coordinator of the CESAE Requalification Program #digitalReskilling	Centro de Serviços e Apoio às Empresas, Portugal
2022 - 2023	Coordination, development and implementation of RVCC5 training references	Agência Nacional para a Qualificação e o Ensino Profissional IP, Portugal Centro de Serviços e Apoio às Empresas, Portugal

2022 - 2022	Educational Consultant of "NAU Sempre a Aprender" by FCCN	Fundacao de Computacao Cientifica Nacional, Portugal Centro de Serviços e Apoio às Empresas, Portugal
2017/11 - 2018/05	Coordination, development and implementation of Digital Literacy of Basic Digital Skills training references	Centro de Serviços e Apoio às Empresas, Portugal Agência Nacional para a Qualificação e o Ensino Profissional IP, Portugal

Journal scientific committee

	Journal title (ISSN)	Publisher
2024 - Current	American Journal of Artificial Intelligence	

Distinctions

Award

2012	1º Place - Portugal Champion - World Skills Portugal - Information Technology Instituto do Emprego e Formação Profissional, Portugal
2010	3º Place - Euro Skills - Microsoft Specialist Instituto do Emprego e Formação Profissional, Portugal

Title

2023	Member of the Web Technologies Profession Jury - WorldSkills Portugal, 2023 Instituto do Emprego e Formação Profissional, Portugal
2020	Chairman of the Multimedia Profession Jury - WorldSkills Portugal, 2020 Instituto do Emprego e Formação Profissional, Portugal
2018	Chairman of the Multimedia Profession Jury - WorldSkills Portugal, 2018 Instituto do Emprego e Formação Profissional, Portugal
2016	Chairman of the Multimedia Profession Jury - WorldSkills Portugal, 2016 Instituto do Emprego e Formação Profissional, Portugal
2014	Chairman of the Multimedia Profession Jury - WorldSkills Portugal, 2014 Instituto do Emprego e Formação Profissional, Portugal

Other distinction

2023	MIEE - Microsoft Innovative Educator Expert Microsoft Portugal, Portugal
2022	MIEE - Microsoft Innovative Educator Expert Microsoft Portugal, Portugal

2021	MIEE - Microsoft Innovative Educator Expert Microsoft Portugal, Portugal