



## Curriculum Vitae

### Personal information

Surname(s) / First name(s)	<b>Almeida, Fernando Luís Ferreira</b>	
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E-mail	<a href="mailto:almd@fe.up.pt">almd@fe.up.pt</a>	
Nationality	Portuguese	
Date of birth	22/12/1979	
Gender	Male	
Civil State	Single	
Driving licence	B category	
ORCID	<a href="http://orcid.org/0000-0002-6758-4843">http://orcid.org/0000-0002-6758-4843</a>	
Ciência Vitae	<a href="https://www.cienciavitae.pt/portal/3716-5F4F-E080">https://www.cienciavitae.pt/portal/3716-5F4F-E080</a>	
ResearcherID	<a href="http://www.researcherid.com/rid/H-4751-2018">http://www.researcherid.com/rid/H-4751-2018</a>	
LinkedIN	<a href="https://www.linkedin.com/in/falmeidapt/">https://www.linkedin.com/in/falmeidapt/</a>	
ResearchGate	<a href="https://www.researchgate.net/profile/Fernando_Almeida21">https://www.researchgate.net/profile/Fernando_Almeida21</a>	
Google Scholar	<a href="https://scholar.google.com/citations?user=necu1bkAAAAJ&amp;hl=pt-PT">https://scholar.google.com/citations?user=necu1bkAAAAJ&amp;hl=pt-PT</a>	

### Work experience

Dates	<b>Sept. 2023 – Current</b>	
Occupation or position held	Senior Research Fellow	
Main activities and responsibilities	Invited researcher in the fields of open innovation, sustainability, entrepreneurship, and decision-making.	
Name and address of employer	Corvinus Institute for Advanced Studies (Hungary)	
Type of business or sector	Education	
Dates	<b>June. 2023 – Current</b>	
Occupation or position held	Research Fellow	
Main activities and responsibilities	Organization and participation in projects with research teams in the fields of information systems, software engineering, innovation, and entrepreneurship.	
Name and address of employer	INTI International University (Malaysia)	
Type of business or sector	Education	
Dates	<b>May. 2023 – Current</b>	
Occupation or position held	PhD. Advisor and Supervisor	
Main activities and responsibilities	Supervisor for the doctoral programme: Doctor of Business Administration (DBA)	
Name and address of employer	KMU Akademie & Management AG (Linz, Austria) and Middlesex University London (UK)	
Type of business or sector	Education	
Dates	<b>May. 2023 – Current</b>	
Occupation or position held	National Legal Expert	

Main activities and responsibilities	Subcontractor in the tender of Deloitte for the call for tenders CNECT/2022/OP/0094 – Digitalisation of Business in the EU Member States: initiatives, impacts and contribution to the Digital Decade 2023-26.
Name and address of employer	Spark Consulting and Deloitte (Belgium)
Type of business or sector	Consulting in Business and IT
Dates	<b>March. 2022 – Current</b>
Occupation or position held	Visiting Professor
Main activities and responsibilities	Organization and lecturer of a course in the field of entrepreneurship.
Name and address of employer	Central European University (CEU, Wien)
Type of business or sector	Education
Dates	<b>March. 2019 – Feb. 2020</b>
Occupation or position held	Ph.D. Advisor and Supervisor
Main activities and responsibilities	Doctoral student advisor specialized in business administration.
Name and address of employer	Swiss Management Center University (SMC University)
Type of business or sector	Education
Dates	<b>June. 2018 – Current</b>
Occupation or position held	Professor
Main activities and responsibilities	Doctoral student advisor specialized in business administration. Module leader of Entrepreneurship (MSc) and Information and Communication Systems (BSc).
Name and address of employer	Global Humanistic University (GHU)
Type of business or sector	Education
Dates	<b>Sept. 2010 – Current</b>
Occupation or position held	Coordinator/Associate Professor & IT Consultant
Main activities and responsibilities	Teaching classes regarding database management systems, support decision systems, quantitative management, statistics and projects. Responsible for the internship programs with the collaboration of more than 80 external companies. Leader of computer science scientific field. Responsible for research projects in the field of software engineering, agile methodologies, user experience (UX) and innovation policies. Responsible for international lectures in IT Entrepreneurship at Faculty of Management, University of Lodz (Poland). The total duration of this module was 20 hours during the period Nov-Dec, 2014. Responsible for international lectures in Entrepreneurship Theory and Practice at Central European University (CEU). The total duration of this module was 20 hours in May 2022. Coordinator of BSc. course of Computer Science Engineering, BSc. In Informatics Engineering for Management and the Master Degree in Cybersecurity. It involves the coordination of a team with more than 20 teachers and 150 students. Leader of IT Formation initiative with the Alumni EI FEUP partnership. Responsible for all the management and financial issues and also for the recruitment process. This project involves two shareholders and more than 40 stakeholders from industry and universities. Project manager at Informatics Centre of ISPGaya (CIISP). Main duties include team coordination, project consultant, quality management & assurance, database manager, security analyst and software developer. Project leader of the advanced course in Responsible Innovation promoted by UTEN Portugal, FCT and University of Austin. Member of Advisory Council of Spinoff company <i>Atiiv</i> . The company offers a cloud application that helps personal trainers in everyday tasks, making them easier and fun. Member of the scientific council of the Centre for Security in Logistics in Poland from October 2016 until current date. Vice President of the Scientific Council of ISPGaya. Head of the School of Science and Technology.
Name and address of employer	ISPGaya
Type of business or sector	Education
Dates	<b>Sept. 2014 – Current</b>
Occupation or position held	Researcher

Main activities and responsibilities	<p>Scientific research and publication in the field of Portuguese spin-offs profile and performance.</p> <p>Development of work between association of business models and spinoffs performance. This work is conducted in cooperation with Prof. Sérgio Costa (Eizer Prize Winner of 2015).</p> <p>Dissemination of study elements with other international teams, namely from University of Bologna (Italy), Empire College (UK) and Carnegie Mellon University (USA).</p> <p>Construction of a repository with Portuguese spin-off indicators.</p> <p>Transfer of knowledge to Portuguese start-ups and technological parks.</p>
Name and address of employer	INESC TEC - CITE
Type of business or sector	R&D
Dates	<b>Apr. 2011 – June. 2013</b>
Occupation or position held	Project Engineer & Senior Researcher
Main activities and responsibilities	<p>Participation in the Convergence FP7 European Project (involvement of 12 external partners). Main partners: WIPRO, CNIT, CEDEO, LMU and Morpho.</p> <p>Analysis and proposition of an architecture for multimedia content platforms (Convergence Middleware Level). Responsible for the definition and implementation of digital forgetting process.</p> <p>Development of middleware methods in Java to implement access to Virtual Digital Identifiers (VDI). Responsible for the development of Package Content PE, Revoke TE and VDI TE. Participation also in the development and customization of Overlay TE with external partners.</p> <p>Extension of the MPEG-21 API. Participation in ISO commission in Turin and Zurich meetings.</p> <p>Participation in the Future Internet Assembly (FIA) in the meetings of Aalborg and Dublin.</p> <p>Participation in the analysis and development of Retail-Pro project. In this project, I was responsible for the implementation of methods to allow a multi-camera synchronization in an indoor scenario.</p>
Name and address of employer	INESC TEC - Multimedia and Telecommunications Unit
Type of business or sector	Software Industry and Research & Development
Dates	<b>Jun. 2009 – Apr. 2011</b>
Occupation or position held	Software Engineer
Main activities and responsibilities	<p>Participation in the XPRESS FP6 European Project (involvement of 19 external partners). Main partners: Airbus, Critical Software, Gamax and Fraunhofer.</p> <p>Identification of software requirements for transport experton based in AGVs and Conveyors Belts.</p> <p>Definition of architecture based in Windows Communication Foundation (WCF), development of software, test cases execution and integration of software modules with local and international partners.</p> <p>Development of an intelligent selector for transport optimization method.</p> <p>Responsible for the implementation and logistic issues of manufactronic network training at FEUP.</p> <p>Involvement of 6 external partners and around 50 students.</p>
Name and address of employer	ISR Porto
Type of business or sector	Manufacturing Industry and Research & Development
Dates	<b>Sept. 2009 – Mar. 2010</b>
Occupation or position held	Assistant Lecturer
Main activities and responsibilities	<p>Teaching classes regarding database management systems, relational model, SQL and PL/SQL language.</p> <p>Responsible for the submission of a project to the Centre of Advanced Studies of IBM at Porto with the title "A Ubiquitous Government Development Model based in a Service Oriented Architecture for e-Government Solutions".</p>
Name and address of employer	Faculty of Engineering of University of Porto
Type of business or sector	Education
Dates	<b>Sept. 2008 – Jun. 2009</b>
Occupation or position held	Software Developer
Main activities and responsibilities	<p>Participation in the ENTHRONE II FP6 European Project (involvement of 28 external partners) and VISNET FP6 European Project (involvement of 15 external partners). Main partners: Deutsche Telecom, University of Lancaster, Thomson, University of Klagenfurt, and University of Surrey.</p> <p>Definition and validation of system user cases, interaction and workflow design. Implementation of acceptance and regression test cases.</p> <p>Management support of European projects and definition of strategy and financial plan for the creation on new start-up companies.</p>
Name and address of employer	INESC Porto – Multimedia and Telecommunications Unit

Type of business or sector	Software Industry and Research & Development
Dates	<b>Jan. 2007 – Jul. 2008</b>
Occupation or position held	Project Engineer
Main activities and responsibilities	Working for Critical Software SA based in Portugal and Critical Software SRL based in Romania. Requirements analysis, definition of technologic architecture, development, unit and regression tests, performance analysis and maintenance of the product to the customer Qimonda AG. Establishment of international partnerships in Romania territory. Business management and development activities. Support for the internalization of Critical Links, in particular to the edgeBox solution.
Name and address of employer	Critical Software
Type of business or sector	Software Industry
Dates	<b>May. 2004 – Dec. 2006</b>
Occupation or position held	Assessor of SEF and Technology Business Analyst
Main activities and responsibilities	Work process analysis and optimization. Analysis of workflow model processes and development of local technological solutions and management for the financial services of university. Implementation of IT solutions with strong connection with CICA department. Coordination of internal projects to the FEUP and financial management support of projects. Participation in REDI project in the field of operational research for Porto municipality authorities.
Name and address of employer	FEUP – SEF Department
Type of business or sector	Education
Dates	<b>Mar. 2003 – Dec. 2003</b>
Occupation or position held	Traineeship
Main activities and responsibilities	Development of a collaboration system and document management, which included also requisites analysis and specification, search and study MDC solutions, configuration and integration this solution in INESC intranet and integration with legacy systems.
Name and address of employer	INESC Porto – Engineering and Production Systems Unit
Type of business or sector	Software Industry and Research & Development
Dates	<b>Jul. 1999 – Oct. 1999</b>
Occupation or position held	Archivist
Main activities and responsibilities	Introduction of clinical registries in an information system and definition the organization of clinical processes.
Name and address of employer	Hospital Centre of Gaia
Type of business or sector	Health Industry
Dates	<b>Jul. 1998 – Dec. 1998</b>
Occupation or position held	IT Systems Analyst
Main activities and responsibilities	Stocks management solutions analysis, definition and implementation complementary informatics solutions and business intelligence analysis.
Name and address of employer	Olímpiada Store
Type of business or sector	Sport Retail Industry

## Education

Dates	<b>Jun. 2006 – Mar. 2010</b>
Title of qualification awarded	PhD. Programme in Computer Engineering
Principal subjects/occupational skills covered	Information technology, information systems, open source software, innovation, and entrepreneurship
Name and type of organisation providing education and training	Faculty of Engineering of University of Porto
Level in national or international classification	Approved by unanimity
Thesis title	Creation of value with Open Source software in the information technology and telecommunications fields
Thesis advisor	Prof. José M. Oliveira (FEP) and Prof. José M. Cruz (FEUP)

Main subjects	Support Decision Systems, optimization, machine learning and knowledge extraction. IPv6, IMS, VoIP, unified communications, security and mobile ad hoc networks. Business process modeling, emergent business models and Osterwalder canvas model.
Dates	<b>Sept. 2004 – Jul. 2006</b>
Title of qualification awarded	MSc. in Innovation and Technological Entrepreneurship
Principal subjects/occupational skills covered	Innovation, software industry, business administration, creation of new start-up companies and marketing.
Name and type of organisation providing education and training	University of Porto (FEUP/FEP/EGP) and HiTEC Center of North Carolina State University
Level in national or international classification	16 / 20
Thesis title	Entrepreneurship of Open Source Software
Thesis advisor	Prof. José M. Cruz (FEUP)
Main subjects	Entrepreneurship, Marketing Management, Managing Innovation, Business Creation and Development, Business Construction, Investments Analysis, Financial Calculus, and Organizational Behaviour and Leadership.
Dates	<b>Sept. 1998 – Oct. 2003</b>
Title of qualification awarded	BSc / MSc (of 5 years) in Engineering Computer Science and Computation
Principal subjects/occupational skills covered	Software development, support decision systems and informatics engineering.
Name and type of organisation providing education and training	Faculty of Engineering of University of Porto
Level in national or international classification	14 / 20. Specific average of 15.75 / 20.00
Thesis title	Collaboration and documentation management system
Thesis advisor	Prof. António L. Soares (FEUP)
Main subjects	Mathematics, Statistical Methods, Numerical Methods, Algorithm Design and Analysis, Operational Research, and Artificial Intelligence. Programming (Java, Python, C++, .NET), Software Engineering, Web Languages and Technologies, Databases, Information Systems, Software Requirements, and Network and System Services.
Dates	<b>Sept. 1995 – Jul. 1998</b>
Title of qualification awarded	High school – Technologic course of Informatics
Principal subjects/occupational skills covered	Software development, operation systems and database management systems
Name and type of organisation providing education and training	Gaia College
Level in national or international classification	17 / 20
<b>Honours &amp; Awards</b>	
Title of honour awarded	First prize in the Ideas Competitions of 2005 (Mingle Project)
Entity	NET-SA enterprises and Innovation Agency (ADI)
Year	2005
Title of honour awarded	Honourable Mention in Engineering & Technology field
Entity	PROSE Award (Washington D.C.)
Year	2015
Title of honour awarded	Global Champion Award, Pedagogy Innovation, 2018, Prague
Entity	The International Association for Management Development in Dynamic Societies (CEEMAN)
Year	2018
<b>Training</b>	
Title of training awarded	Building Smarter Organizations: How to lead your zombie organization back to life
Entity	International Association of Innovation Professionals (IAOIP)

Duration	3 hours (webinar)
Title of training awarded	Comprehensive, Competitive and Metrics-Based Management and Assessment of Innovation at the Corporate Level
Entity	International Association of Innovation Professionals (IAOIP)
Duration	3 hours (webinar)
Title of training awarded	Romanian Language Course (level I and II)
Entity	Faculty of Arts and Languages (FLUP)
Duration	2 years
Title of training awarded	Spanish Intensive Course
Entity	Faculty of Arts and Languages (FLUP)
Duration	60 hours
Title of training awarded	Good Practices in Software Quality Management
Entity	IT Formation
Duration	25 hours
Title of training awarded	Programming in Visual C#
Entity	Vantagem +
Duration	40 hours
Title of training awarded	Customer Relationship Management
Entity	CESU – Porto
Duration	8 hours
Title of training awarded	Leadership and Communication
Entity	Critical Software
Duration	12 hours
Title of training awarded	Quality Management
Entity	Critical Software and Instituto Pedro Nuno (IPN)
Duration	8 hours
Title of training awarded	Investment Project Analysis and Financial Calculus
Entity	Escola de Gestão do Porto (EGP)
Duration	16 hours
Title of training awarded	UML and Workflow Systems
Entity	FEUP – DEI
Duration	40 hours

### **Scientific and pedagogical competences**

Scientific projects	<ul style="list-style-type: none"> <li>- Member of the scientific council of the Centre for Security in Logistics in Poland from October 2016 until current date.</li> <li>- Participation in the European Projects (IP) Genius and Citizen School between September 2016 and July 2019. Organization of seminars in the field of serious games, entrepreneurship and business model canvas.</li> <li>- Leader of the European Project (IP) Walkabout at ISPGaya between September 2012 and July 2013 (expected to be extended until 2015). This project intends to create an augmented serious games scenario for learning communities using mobile devices (IOS and Android). Major partners include Centria, University of Lodz, Artesis, University of Vigo and Dundalk University.</li> <li>- Participation in the XPRESS project as project engineer and scientific researcher at ISR Porto between June 2009 and April 2011. Major partners include Airbus, Fiat, Fraunhofer, Technax, Critical Software, Harms &amp; Wende, University of Karlsruhe, among others.</li> <li>- Participation in the VISNET II project as project engineer and scientific researcher at INESC Porto between January 2009 and June 2009. Major partners include Thales Group, Telecom Italia, University Polytechnic of Catalunya, Technical University of Berlin, IST, among others.</li> <li>- Participation in the ENTHRONE II project as project engineer and scientific researcher at INESC Porto between September 2007 and December 2008. Major partners include Deutsche Telecom, PTC Consulting, University of Klagenfurt, UPB, among others.</li> </ul>
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Scientific reviewer	<ul style="list-style-type: none"> <li>- Member of editorial board of International Journal of Innovation Science (invited by Prof. Dr. Abram Walton [University of South Florida, USA]).</li> <li>- Member of editorial board of Computer Science and Engineering Journal (invited by Prof. Dr. Qingde Li [University of Hull, UK]).</li> <li>- Member of editorial board of American Journal of Software Engineering (invited by Prof. Dr. Zeeshan Ahmed [University of Wuerzburg, Germany]).</li> <li>- Member of editorial board of Journal of Information Systems Engineering and Business Intelligence (invited by Prof. Dr. Indra Kharisma Raharjana [Universitas Airlangga, Indonesia]).</li> <li>- Member of editorial board of ScienceDomain International.</li> <li>- Member of editorial board of Bentham Science.</li> <li>- Member of editorial board of book "BUSINESS TRANSFORMATION AND SUSTAINABILITY THROUGH CLOUD SYSTEM IMPLEMENTATION" published by IGI Global (invited by Prof. Dr. Fawzy Soliman [University of Technology Sydney, Australia]).</li> <li>- Member of advisory board of World Academy of Research in Science and Engineering.</li> <li>- Reviewer member of the IEEE Transactions on Engineering Management.</li> <li>- Reviewer member of the European Journal of Innovation Management.</li> <li>- Reviewer member of the Journal of Ambient Intelligence and Humanized Computing.</li> <li>- Editor of the Glossary of CPI-CMI Terms and Definitions (for Portuguese language).</li> <li>- Participation as Reviewer and Technical Program Committee in the following conferences: WorldCIST'13 (Algarve, Portugal), ICCGI 2012 (Venice, Italy), ICCGI 2013 (Nice, France), ICCGI 2014 (Seville, Spain), ICCGI 2015 (St. Julians, Malta), ICCGI 2016 (Barcelona, Spain), ICCGI 2017 (Nice, France), ICCGI 2019 (Rome, Italy), ICET5E 2013 (Bangkok, Thailand), InfoWare 2011 (Luxembourg) , ICCIE 2014 (Indiana, USA), CTE 2018 (Kyev, Ukraine), FedCSIS 2019 (Leipzig, Germany), WCHSS 2019 (Paris, France), BDIOT 2019 (Melbourne, Australia), NCS 2019 (Zurich, Switzerland), ICETC (Amsterdam, Netherlands), DMDB 2019 (Vancouver, Canada), InteliSys (Amsterdam, Netherlands), ICCGI 2020 (Athens, Greece), CARMA 2020 (Valencia, Spain), CTE 2020 (Kryvyi Rih, Ukraine), WorldCIST'20 (Budva, Montenegro), LASD 2021 (Poznan, Poland), WorldCIST'21 (Terceira Island, Portugal), ICETC 2022 (Barcelona, Spain), FICC 2022 (virtual), FTC 2022 (Vancouver, Canada), FTC 2023 (San Francisco, USA), IIMTC 2023 (Baku, Azerbaijan), and CARMA 2023 (Sevilla, Spain).</li> </ul>
Patents & Standards	<ul style="list-style-type: none"> <li>- Co-Editor, International Organization for Standardization, Proposal for refactored version of MXM for MPEG-M purpose, ISO/IEC JTC 1/SC 29/WG 11 N6666, Geneva, CH, April 2012.</li> <li>- Co-Editor, International Standard, Information technology — Multimedia service platform technologies — Part 4: Elementary services, ISO/IEC DIS 23006-4, Final Committee Draft (FCD), February 2012.</li> </ul>

Thesis orientation

- Daniel Gonçalves. *Privileged Access with CyberArk*. MSc. Thesis, 2023.
- Luís Oliveira. *Docker Migration at Roboyo*. BSc. Thesis, 2023.
- Pedro Rocha. *Intelligent Document Processing*. BSc. Thesis, 2023.
- Bruno Neves. *Development of Mobile Apps in Android*. BSc. Thesis, 2022.
- Filipe Moreira. *Trading Tribe UI Internship Program*. BSc. Thesis, 2022.
- Hugo Gomes. *Development of Web Applications for Cyber1Group*. BSc. Thesis, 2022.
- João Pinho. *Development of a chatbot in the health field*. BSc. Thesis, 2022.
- Pedro Mota. *Development of videogames in Unity*. BSc. Thesis, 2022.
- Vítor Costa. *Backend implementation using Node.JS*. BSc. Thesis, 2022.
- Xavier Sampaio. *SuiteApps Oracle NetSuite*. BSc. Thesis, 2022.
- André Prata. *Companion Mobile App*. BSc. Thesis, 2021.
- Sérgio Ferreira. *Product development at Sisqual*. BSc. Thesis, 2021.
- Cláudio Guedes. *Software engineering at Sisqual*. BSc. Thesis, 2021.
- Diogo Neves. *Resale Luxury trending analysis and prediction*. BSc. Thesis, 2021.
- Flávio Oliveira. *Verification and validation of software*. BSc. Thesis, 2021.
- Ivo Ferreira. *Frontend Microservices*. BSc. Thesis, 2020.
- João Fonseca. *Backend Microservices*. BSc. Thesis, 2020.
- José Pinheiro. *Douro Historic Sight*. BSc. Thesis, 2020.
- Diogo Martino. *Human Management*. BSc. Thesis, 2020.
- Tiago Pinto. *Framework Yii2*. BSc. Thesis, 2020.
- Nuno Miranda. *FullMoon – Frontend*. BSc. Thesis, 2019.
- Bruno Vieira. *FullMoon – Backend*. BSc. Thesis, 2019.
- João Roque. *RH+ - Application for Human Resources Management*. BSc. Thesis, 2019.
- Mauro Galante. *Implementation of a Management System for Web Contents*. BSc. Thesis, 2018.
- Rúben Cunha. *Implementation of a Business Intelligence Application using Microsoft Power BI*. BSc. Thesis, 2018.
- Alexandre Cunha. *Image Compression and Optimization*. BSc. Thesis, 2018.
- Emanuel Fonseca. *Active Directory and LDAP at INEM*. BSc. Thesis, 2018.
- Nuno Pinho. *Information Security and Forensic Analysis*. BSc. Thesis, 2018.
- Rui Maia. *Condenser Battery Analysis at EDP Distribution*. BSc. Thesis, 2018.
- Diogo Silva. *Asset Management Platform and Helpdesk Services*. BSc. Thesis, 2018.
- Fernando Correia. *SDP – Service Desk Plus*. BSc. Thesis, 2017.
- Pedro Silva. *PaperLess*. BSc. Thesis, 2017.
- Pedro Carmo. *Digital Repository of Portuguese University Spin-offs*. BSc. Thesis, 2017.
- Fernando Araújo. *Events Management Platform for Judiciary Police*. BSc. Thesis, 2016.
- Rui Marques. *Incident Management Platform for MEO Services*. BSc. Thesis, 2016.
- Paulo Romão. *e-Travel Staff Management for Soares da Costa Company*. BSc. Thesis, 2016.
- Daniela Castelo. *Online Psychometric Tests*. BSc. Thesis, 2015.
- Daniel Faria. *e-Library for ISPGaya*. BSc. Thesis, 2015.
- Guilherme Gomes. *Digital platform of relational algebra*, BSc. Thesis, 2014.
- João Peixe, *Assessment of IT security issues in Portuguese high schools*, BSc. Thesis, 2014.
- André Queirós, *Management dashboard platform of faculty activities*, BSc. Thesis, 2014.
- Miguel Martin, *Transactions Management of "Via Verde"*, BSc. Thesis, 2014.
- M. J. Assena, *Elaboration and edition of graphical contents*, BSc. Thesis, 2013.
- André Tavares, *Virtual and Interactive Guide of ISPGaya*, BSc. Thesis, 2013.
- José A. Ferreira, *OLAP cubes for spatial analysis in DW environments*, BSc. Thesis, 2013.
- Ricardo Taboada, *Frontend module for the eHealth suite*, BSc. Thesis, 2013.
- Pedro Sousa, *Informatics Security – the ERP issues*, MSc. Dissertation, 2012
- Manuel Mesquita, *Frontend MatchingLab*, BSc. Thesis, 2012.
- Alexandra Rocha, *Advanced Search Engine for iPortalDoc*, MSc. Dissertation, 2012.
- Amândio Guedes, *On-line Simulation of Urban Taxes*, BSc. Thesis, 2011.
- João Ferreira, *An Information System for Data Project Systematization*, BSc. Thesis, 2011.
- Pedro Brandão, *Organization of a Content Plan using a CMS*, BSc. Thesis, 2011.



Pedagogical projects	<ul style="list-style-type: none"> <li>- Leader of intensive IT formation courses. Responsible for the planning and definition of formations in Silverlight, Android, HTML5, IOS, and Ruby on Rails.</li> <li>- Creation of a new post-graduation course in the field of Services Management and Innovation at ISPGaya. Responsible for the definition of the course structure and pedagogical contents.</li> <li>- Creation of two new disciplines: "Technology and Business" in the course of Informatics for Management and "Telematic Applications" in the master of Networks Administration and Informatics Systems.</li> <li>- Responsible for the establishment of partnerships between business companies and ISPGaya for the courses in "Informatics for Managements" and "Informatics Engineering". These partnerships allow students to attend an internship of 6 months in those companies to conclude their BSc. degree. Examples of companies that participate in this initiative include Efacec, IBM, Sysnovare, Sistrade, Rangel, AutoSueco, BNP Paribas, among others.</li> </ul>
Pedagogical material	<ul style="list-style-type: none"> <li>- Creation of new pedagogical contents for the classes of "Business and Technologies", "Web Technologies", "Information Security", "Quantitative Methods Applied to Management", "Support Decisions Susters" and "Customer Relationship Management" at ISPGaya.</li> <li>- Revision of pedagogical contents for the classes of "Databases Management", and "Statistics" at ISPGaya.</li> <li>- Revision of pedagogical contents for the theoretical classes of "Database Systems" at FEUP.</li> <li>- Creation of new pedagogical contents for the practical classes of "Database Systems" at FEUP.</li> <li>- Slides for theoretical classes given at ISPGaya.</li> <li>- Business plan model defined for the classes of "Technology and Business" at ISPGaya.</li> </ul>
University management	<ul style="list-style-type: none"> <li>- Coordinator of course in "Informatics for Management" (2010-15) and "Informatics Engineering" (2011-15) (BSc. degree of 3 years).</li> <li>- Coordinator of course in "Networks Administration and Informatics Systems" (2011-15) (MSc. degree).</li> <li>- Coordinator of the post-graduation course in "Services Management and Innovation" (2011-12/2012-13).</li> <li>- Coordinator of the IT Technical Formations Programme (2012-14).</li> <li>- Member of national panel for the evaluation of "Specialist" title in the field of Informatics Science. The "Specialist" title is recognized by the A3ES (DL 10796/2011).</li> <li>- Member of pedagogical council and scientific council (elected by teachers) at ISPGaya.</li> <li>- Responsible for the scientific and pedagogical revision of the BSc. degree in Informatics Engineering. Submission and publication of the new programme to DGES and A3ES.</li> <li>- Responsible for the submission and accreditation of the Computer Science course at ISPGaya in European Federation of National Engineering Associations (FEANI).</li> <li>- Responsible for the course design of TeSP in Computer Systems and Network.</li> <li>- Submission of 2 candidatures for PORDATA competition in the year of 2017.</li> <li>- Promoter and author of the presentation about "Digital Security for Kids" in elementary municipality schools.</li> <li>- Attendance and participation in the following academic juries: <ul style="list-style-type: none"> <li>• Drag&amp;Shop: Analysis and Conception of Products in e-business Sector (MSc. João Barbosa, FEUP-MIEEC). Participation as external arguer;</li> <li>• Network Management Platform with Spiceworks (MSc. Filipe Moreira). Participation as president of the jury;</li> <li>• Event monitoring in a SME - case study of DURIT (MSc. Nuno Quaresma). Participation as president of the jury.</li> </ul> </li> </ul>

**Personal skills and competences**

Mother tongue(s) Portuguese

Other language(s)

Self-assessment

European level (\*)

**English**

**French**

**Spanish**

**Romanian**

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User	C2	Proficient User
B1	Intermediate User	B1	Intermediate User	A2	Basic User	A2	Basic User	A2	Basic User
C1	Advanced User	C1	Advanced User	B2	Independent User	B2	Independent User	C1	Advanced User
B2	Independent User	B2	Independent User	B1	Intermediate User	B1	Intermediate User	B1	Intermediate User

(\*) [Common European Framework of Reference for Languages](#)

Social skills and competences	<ul style="list-style-type: none"> <li>- Team work: I have worked in various types of teams from research teams, business executive teams and political environment;</li> <li>- Mediating skills: I work on the borders between young people, youth trainers and youth policy. Besides that, I'm also used to work with senior engineers from different technologic fields;</li> <li>- Intercultural skills: I am experienced at working in a European dimension with people from several companies and universities, such as Deutsche Telecom, Airbus, PTC Consulting, Polytechnic University of Bucharest, Artesis, Centria, and University of Klagenfurt, among others;</li> <li>- Communication skills: I have acquired and developed these competences during teaching courses, European projects, brainstorming sessions and oral presentations to expose the results of my researches.</li> </ul>
Organisational skills and competences	<ul style="list-style-type: none"> <li>- Good skills in coordinating work groups, by teaching activities and supervising undergraduate work;</li> <li>- Organizational skills acquired by my contribution to the Students Informatics Group at FEUP and organization of seminars about multimedia technologies at UTM division in INESC Porto;</li> <li>- Organizational skills also acquired during the organization of seminars and conferences at ISPGaya and INESC TEC;</li> <li>- Leader of IT Formation at ISPGaya and Alumni EI FEUP. Organization of the following formations: Android, Software Quality, Advanced Excel, HTML5, Node.JS, Ruby on Rails and Silverlight.</li> <li>- Leader of Walkabout IP project (European IP project);</li> <li>- Leader of the Olympics of Information Technology initiative at ISPGaya;</li> <li>- Organizer of the Google - Android Training Program at ISPGaya;</li> <li>- Member of Advisory Board of Atiiv (spin-off company);</li> <li>- Member of Int. Association for Information Technology Communication and Development (IAITCD);</li> <li>- Associated member of International Association of Innovation Professionals (IAOIP);</li> <li>- Member of the "The Future of Innovation for the Fortune 500" panel at the Currnt community;</li> <li>- Expert member for the development of ISO 50500/TC 279: "Standardization of terminology tools and methods and interactions between relevant parties to enable innovation";</li> <li>- Lead and participate in European projects in the field of software engineering, entrepreneurship, innovation and serious games;</li> <li>- Specialist at European Commission (Connect University initiative) in the Web3/blockchain field.</li> <li>- Responsibility skills acquired by the leadership of the political project <i>JSD sem Fronteiras</i>.</li> </ul>
Computer skills and competences	<p><b>Operating Systems:</b></p> <ul style="list-style-type: none"> <li>- Ms-Dos, Ms-Windows 2000/XP/Vista, Unix (HP-UX) and Linux</li> </ul> <p><b>Programming Languages:</b></p> <ul style="list-style-type: none"> <li>- Pascal, C, C++, PL/SQL, Prolog, Python, Assembly, Vmrl</li> <li>- Java (Servlets, EJB, Hibernate), Java3D, Maven, Web Services, SOAP and JSP</li> <li>- Visual Basic, VBA, Shell Script and Transact-SQL</li> <li>- HTML5, Php, Ajax, JQuery, Javascript, Blender 3D, Actionscript, XML, XSL, XSD, XSML, XHTML, XML Schema and EDI</li> <li>- .NET Framework: C#, WCF, WPF, Silverlight, Ruby on Rails, Objective C, ADO.NET, ASP.NET, XML Parsing and Web Services</li> </ul> <p><b>Databases:</b></p> <ul style="list-style-type: none"> <li>- Oracle and MS SQL Server</li> <li>- MySQL and PostGreSQL</li> <li>- Visual FoxPro, SQLLite and Couch DB.</li> </ul> <p><b>Quality Management:</b></p> <ul style="list-style-type: none"> <li>- ISO 9001, ITIL, CMMI, SCRUM</li> </ul> <p><b>Enterprise, Web and Collaboration Tools:</b></p> <ul style="list-style-type: none"> <li>- Baan, mySAP, Sage ERP X3, Sage XRT, PHC FX, OpenBravo</li> <li>- Zope, Plone, Nuxeo CPS, Drupal and Joomla</li> <li>- Sugar CRM, openCRX, SQL Server Business Suite and Pentaho BI</li> </ul> <p><b>Diverse Programs:</b></p> <ul style="list-style-type: none"> <li>- Microsoft Office (including Microsoft Project, Publisher and FrontPage)</li> <li>- Microsoft Visio, Mind Manager and Enterprise Architecture</li> <li>- VMWare Server and VMWare Infrastructure Client</li> <li>- Eclipse, Doxygen, Maven, Visual Studio and Visual Web Developer</li> <li>- Oracle Designer, SQL Navigator and Oracle SQL Developer</li> <li>- MS SQL Server, SQL Plus and SQL Server Management Studio</li> <li>- Oracle Workflow and Ultimus Workflow</li> <li>- ARToolkit, OpenGL, DirectX</li> <li>- WinCVS, Tortoise SVN and OpenVPN</li> </ul>

**XPRESS FP6:**

- The goal of XPRESS is to establish a breakthrough for the factory of the future with a new flexible production concept based on the generic idea of 'specialised intelligent process units' ('expertons') integrated in cross-sectoral learning networks for a customised production. Funding: € 12 477 505.

**ENTHRONE II FP6:**

- The ENTHRONE project proposes an integrated management solution that covers an entire audio-visual service distribution chain, including content generation and protection, distribution across networks and reception at user terminals. Funding: € 14 339 180

**VISNET II FP6:**

- VISNET II builds on the success and achievements of the VISNET I NoE to continue the progress towards achieving the NoE mission of creating a sustainable world force in Networked Audiovisual (AV) Media Technologies. Funding: € 6 112 000

**Convergence FP7:**

- CONVERGENCE aims at enhancing the Internet with a content-centric, publish-subscribe service model, based on a common container for any kind of digital data, including representations of people and Real-World Objects. Funding: € 4 428 836

**InfoGeoLog; Information technology – Geoinformation FP7:**

- Education in professions of the future in response to employers' expectations. Advanced formation activities in the entrepreneurship field. Funding: € 4 524 587

**Walkabout IP, GENIUS, StartIT, and Citizen School (Erasmus+):**

- Projects that intend to development of innovative interdisciplinary skills to build a more inclusive European society. Partners from HEIs in Belgium, Finland, Germany, Ireland, and Poland. Total funding around € 1 200 000.

**Financial Data Warehouse for Amorim Holding:**

- Analysis and development of a data warehouse in SQL Server Analysis to collect information from relational databases about amount of credit in bank accounts.

**Semantic Web Platform for Analysis of Academic Spin-offs for INESC TEC:**

- Implementation of a semantic web application in PHP and JavaScript that analyzes the degree of association between the various academic spin-offs. Funding: € 15 000

**Innovation Measurement WP and ISO 50501 for IAOP:**

- Identification of innovation measures and metrics and in the development of the ISO 50501 standard. Work performed with international partners mainly located in USA and Australia..

**Programming Challenges for Skilleo:**

- IT Consultant at *Skilleo.com*. The company intends to build a place where IT specialists can show how skilful they are, learn new skills and apply for IT jobs in national and international markets.

**Management 3.0 for QAValue:**

- Researcher in the area of management 3.0 considering its application in the business context as a relevant set of techniques to increase employee engagement and improve team cohesion.

**Online Advanced Training for UTEN Portugal:**

- Leader of an advanced training activity in the field of responsible innovation. This training activity intends to present an integrated approach that aims to help for-profit organizations face these challenges. Funding: € 900

**Financial Literacy for nBanks:**

- This project examines levels of financial literacy among students in higher education. Furthermore, it seeks to establish a set of best practices to improve levels of financial and digital literacy.

**Sustainable Entrepreneurship:**

A scientific project that aims to explore sustainable entrepreneurship frameworks and practices. Partners: Heriot-Watt University, RGU, and INESC TEC.

**Serious games in entrepreneurship for FLIBGY consortium:**

- Application of FLIBGY serious games for teaching entrepreneurship considering the heterogeneous profile of students in both hard and soft skills. Funding: € 27 500

**FIRE-RES Horizon Europe (HE)**

- FIRE-RES is a transdisciplinary, multi-actor consortium, formed by researchers, wildfire agencies, technological companies, industry and civil society from 13 countries that intends to address extreme wildfire events. Funding: € 21 543 565

**GreenMA – EIT Manufacturing**

- Green Manufacturing: Demonstration of technologies to fight Climate Change. It intends to look and access the potential of technologies to fight climate change and addresses the needs of a responsible and sustainable innovation. Funding: € 379 922

**The impact of digitalization on job security and quality in the post-Covid era for Fundação La Caixa:**

- This project focuses on the study of the impact of the pandemic on job security (e.g., job loss, change of employment status, job instability) and quality of employment (e.g., skill development, social environment, mental health). Funding: € 25 000

Academic Year	Disciplines
2010/11	Databases, Support Decision Systems, Businesses and Technologies, Statistics, Internship
2011/12	Databases, Support Decision Systems, Businesses and Technologies, Statistics, Internship, Telematics Applications, Information Systems
2012/13	Databases, Support Decision Systems, Businesses and Technologies, Statistics, Internship, Telematics Applications, Information Systems, Quantitative Methods Applied to Management
2013/14	Databases, Support Decision Systems, Businesses and Technologies, Statistics, Internship, Software Management Applications
2014/15	Databases, Support Decision Systems, Businesses and Technologies, Statistics, Internship, Software Management Applications, Network Management and Planning, Quantitative Methods Applied to Management
2015/16	Databases, Support Decision Systems, Businesses and Technologies, Statistics, Internship, Software Management Applications, Network Management and Planning, Quantitative Methods Applied to Management
2016/17	Databases, Support Decision Systems, Businesses and Technologies, Internship, Software Management Applications, Security in Computer Networks
2017/18	Databases, Support Decision Systems, Businesses and Technologies, Internship, Software Management Applications, Security in Computer Networks, Management Support Information Systems
2018/19	Databases, Support Decision Systems, Businesses and Technologies, Internship, Software Management Applications, Security in Computer Networks, Management Support Information Systems
2019/20	Databases, Support Decision Systems, Businesses and Technologies, Internship, Software Management Applications, Management Support Information Systems
2020/21	Databases, Support Decision Systems, Businesses and Technologies, Internship, Software Management Applications, Management Support Information Systems
2021/22	Databases, Support Decision Systems, Businesses and Technologies, Internship, Software Management Applications, Management Support Information Systems, Machine Learning Applied to Security
2022/23	Databases, Support Decision Systems, Businesses and Technologies, Software Management Applications, Management Support Information Systems, Machine Learning Applied to Security, Dissertation, Seminars

Scientific and Technical production  
(overview)

- Books: 11
- Book chapters: 40
- Journals: 154
- Conferences: 32
- Software: 17
- Technical works: 36
- Total of publications: **236**
- Total of citations: **5778**

Last update: 30th October 2023

Published papers & books  
(detailed)

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- Guimarães, C., Amorim, V., & Almeida, F. (2022). Responsible innovation assessment tools: a systematic review and research agenda. *Technological Sustainability*, 2(2), 206-223.
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Scientific interests

- Promote outstanding research in the field of Innovation, Information Systems and Computer Interaction.
- Participation as reviewer or editor in international scientific journals and/or international conferences.
- Scientific supervision of PhD. and MSc. dissertations.
- Develop consulting and knowledge transfer activities between the university and IT companies.
- Promote the implementation of new start-up IT companies in the market.

Other interests

- Reading of technicalities books about information systems, transfer of knowledge and innovation projects/initiatives.
- Member of Portuguese SCRUM community. Founding member of International Association of Innovation Professionals in New York.
- Founder of Computer Science Alumni Association (AAEI) and Management Informatics Alumni Association (AAIG) at ISPGaya. Member of Engineering Computer Science and Computation Alumni Association (ALUMNIEI\_FEUP).
- Consultant of start-up projects, particularly interesting to help students and ex-students in the process of creation and growth of their own companies.
- Willingness to travel and move residence.