



Europass Curriculum Vitae



Personal information

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Work experience

Dates **July. 2019 – Current**
Occupation or position held Ph.D. Advisor
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 **June. 2018 – Current**
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 **Sept. 2010 – Current**
Occupation or position held Coordinator/Associate Professor & IT Consultant

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| Main activities and responsibilities | <p>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.</p> <p>Leader of computer science scientific field. Responsible for research projects in the field of software engineering, agile methodologies, user experience (UX) and innovation policies.</p> <p>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.</p> <p>Coordinator of BSc. course of Computer Science Engineering, BSc. In Informatics Engineering for Management and the Master Degree in Networks Administration and Informatics Systems. It involves the coordination of a team with more than 20 teachers and 150 students.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Member of the scientific council of the Centre for Security in Logistics in Poland from October 2016 until current date.</p> <p>Vice President of the Scientific Council of ISPGaya.</p> |
| Name and address of employer | ISPGaya |
| Type of business or sector | Education |
| Dates | Sept. 2014 – Current |
| 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 | Apr. 2011 – June. 2013 |
| 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 | Jun. 2009 – Apr. 2011 |
| Occupation or position held | Software Engineer |

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| Main activities and responsibilities | Participation in the XPRESS FP6 European Project (involvement of 19 external partners). Main partners: Airbus, Critical Software, Gamax and Fraunhofer. Identification of software requirements for transport experton based in AGVs and Conveyors Belts. 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. Development of an intelligent selector for transport optimization method. Responsible for the implementation and logistic issues of manufactronic network training at FEUP. Involvement of 6 external partners and around 50 students. |
| Name and address of employer | ISR Porto |
| Type of business or sector | Manufacturing Industry and Research & Development |
| Dates | Sept. 2009 – Mar. 2010 |
| Occupation or position held | Assistant Lecturer |
| Main activities and responsibilities | Teaching classes regarding database management systems, relational model, SQL and PL/SQL language. 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". |
| Name and address of employer | Faculty of Engineering of University of Porto |
| Type of business or sector | Education |
| Dates | Sept. 2008 – Jun. 2009 |
| Occupation or position held | Software Developer |
| Main activities and responsibilities | 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. Definition and validation of system user cases, interaction and workflow design. Implementation of acceptance and regression test cases. Management support of European projects and definition of strategy and financial plan for the creation on new start-up companies. |
| Name and address of employer | INESC Porto – Multimedia and Telecommunications Unit |
| Type of business or sector | Software Industry and Research & Development |
| Dates | Jan. 2007 – Jul. 2008 |
| 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 | May. 2004 – Dec. 2006 |
| 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 | Mar. 2003 – Dec. 2003 |
| 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. |

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| Name and address of employer | INESC Porto – Engineering and Production Systems Unit |
| Type of business or sector | Software Industry and Research & Development |
| Dates | Jul. 1999 – Oct. 1999 |
| 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 | Jul. 1998 – Dec. 1998 |
| 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

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| Dates | Jun. 2006 – Mar. 2010 |
| Title of qualification awarded | PhD. Programme in Electrical and Computer Engineering (PDEEC) |
| Principal subjects/occupational skills covered | Information Technology, informatics, open source software, and innovation. |
| 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 | Sept. 2004 – Jul. 2006 |
| 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 | Sept. 1998 – Oct. 2003 |
| 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 |

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| 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 | Sept. 1995 – Jul. 1998 |
| 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 |
| Honours & Awards | |
| 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 |
| Training | |
| 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 |

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| 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

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| Scientific projects | <ul style="list-style-type: none"> - Member of the scientific council of the Centre for Security in Logistics in Poland from October 2016 until current date. - 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. - 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. - 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 & Wende, University of Karlsruhe, among others. - 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. - 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. |
| Scientific reviewer | <ul style="list-style-type: none"> - Member of editorial board of International Journal of Innovation Science (invited by Prof. Dr. Abram Walton [University of South Florida, USA]). - Member of editorial board of Computer Science and Engineering Journal (invited by Prof. Dr. Qingde Li [University of Hull, UK]). - Member of editorial board of American Journal of Software Engineering (invited by Prof. Dr. Zeeshan Ahmed [University of Wuerzburg, Germany]). - Member of editorial board of ScienceDomain International. - Member of editorial board of Bentham Science. - 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]). - Member of advisory board of World Academy of Research in Science and Engineering. - Reviewer member of the IEEE Transactions on Engineering Management. - Reviewer member of the European Journal of Innovation Management. - Reviewer member of the Journal of Ambient Intelligence and Humanized Computing. - Editor of Glossary of CPI-CMI Terms and Definitions (for Portuguese language). - 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), FTC 2020 (Vancouver, Canada), CTE 2020 (Kryvyi Rih, Ukraine), WorldCIST'20 (Budva, Montenegro), LASD 2021 (Poznan, Poland), and WorldCIST'21 (Terceira Island, Portugal). |

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| Patents & Standards | <ul style="list-style-type: none"> - 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. - 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. |
| Thesis orientation | <ul style="list-style-type: none"> - Ivo Ferreira. <i>Frontend Microservices</i>. BSc. Thesis, 2020. - João Fonseca. <i>Backend Microservices</i>. BSc. Thesis, 2020. - José Pinheiro. <i>Douro Historic Sight</i>. BSc. Thesis, 2020. - Diogo Martino. <i>Human Management</i>. BSc. Thesis, 2020. - Tiago Pinto. <i>Framework Yii2</i>. BSc. Thesis, 2020. - Nuno Miranda. <i>FullMoon – Frontend</i>. BSc. Thesis, 2019. - Bruno Vieira. <i>FullMoon – Backend</i>. BSc. Thesis, 2019. - João Roque. <i>RH+ - Application for Human Resources Management</i>. BSc. Thesis, 2019. - Mauro Galante. <i>Implementation of a Management System for Web Contents</i>. BSc. Thesis, 2018. - Rúben Cunha. <i>Implementation of a Business Intelligence Application using Microsoft Power BI</i>. BSc. Thesis, 2018. - Alexandre Cunha. <i>Image Compression and Optimization</i>. BSc. Thesis, 2018. - Emanuel Fonseca. <i>Active Directory and LDAP at INEM</i>. BSc. Thesis, 2018. - Nuno Pinho. <i>Information Security and Forensic Analysis</i>. BSc. Thesis, 2018. - Rui Maia. <i>Condenser Battery Analysis at EDP Distribution</i>. BSc. Thesis, 2018. - Diogo Silva. <i>Asset Management Platform and Helpdesk Services</i>. BSc. Thesis, 2018. - Fernando Correia. <i>SDP – Service Desk Plus</i>. BSc. Thesis, 2017. - Pedro Silva. <i>PaperLess</i>. BSc. Thesis, 2017. - Pedro Carmo. <i>Digital Repository of Portuguese University Spin-offs</i>. BSc. Thesis, 2017. - Fernando Araújo. <i>Events Management Platform for Judiciary Police</i>. BSc. Thesis, 2016. - Rui Marques. <i>Incident Management Platform for MEO Services</i>. BSc. Thesis, 2016. - Paulo Romão. <i>e-Travel Staff Management for Soares da Costa Company</i>. BSc. Thesis, 2016. - Daniela Castelo. <i>Online Psychometric Tests</i>. BSc. Thesis, 2015. - Daniel Faria. <i>e-Library for ISPGaya</i>. BSc. Thesis, 2015. - Guilherme Gomes. <i>Digital platform of relational algebra</i>, BSc. Thesis, 2014. - João Peixe. <i>Assessment of IT security issues in Portuguese high schools</i>, BSc. Thesis, 2014. - André Queirós. <i>Management dashboard platform of faculty activities</i>, BSc. Thesis, 2014. - Miguel Martin. <i>Transactions Management of “Via Verde”</i>, BSc. Thesis, 2014. - M. J. Assena. <i>Elaboration and edition of graphical contents</i>, BSc. Thesis, 2013. - André Tavares. <i>Virtual and Interactive Guide of ISPGaya</i>, BSc. Thesis, 2013. - José A. Ferreira. <i>OLAP cubes for spatial analysis in DW environments</i>, BSc. Thesis, 2013. - Ricardo Taboada. <i>Frontend module for the eHealth suite</i>, BSc. Thesis, 2013. - Pedro Sousa. <i>Informatics Security – the ERP issues</i>, MSc. Dissertation, 2012 - Manuel Mesquita. <i>Frontend MatchingLab</i>, BSc. Thesis, 2012. - Alexandra Rocha. <i>Advanced Search Engine for iPortalDoc</i>, MSc. Dissertation, 2012. - Amândio Guedes. <i>On-line Simulation of Urban Taxes</i>, BSc. Thesis, 2011. - João Ferreira. <i>An Information System for Data Project Systematization</i>, BSc. Thesis, 2011. - Pedro Brandão. <i>Organization of a Content Plan using a CMS</i>, BSc. Thesis, 2011. |
| Pedagogical projects | <ul style="list-style-type: none"> - Leader of intensive IT formation courses. Responsible for the planning and definition of formations in Silverlight, Android, HTML5, IOS, and Ruby on Rails. - 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. - 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. - 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. |

Pedagogical material

- Creation of new pedagogical contents for the classes of “Business and Technologies”, “Web Technologies”, “Information Security”, “Quantitative Methods Applied to Management”, “Support Decisions Systems” and “Customer Relationship Management” at ISPGaya.
- Revision of pedagogical contents for the classes of “Databases Management”, and “Statistics” at ISPGaya.
- Revision of pedagogical contents for the theoretical classes of “Database Systems” at FEUP.
- Creation of new pedagogical contents for the practical classes of “Database Systems” at FEUP.
- Slides for theoretical classes given at ISPGaya.
- Business plan model defined for the classes of “Technology and Business” at ISPGaya.

University management

- Coordinator of course in “Informatics for Management” (2010-15) and “Informatics Engineering” (2011-15) (BSc. degree of 3 years).
- Coordinator of course in “Networks Administration and Informatics Systems” (2011-15) (MSc. degree).
- Coordinator of the post-graduation course in “Services Management and Innovation” (2011-12/2012-13).
- Coordinator of the IT Technical Formations Programme (2012-14).
- 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).
- Member of pedagogical council and scientific council (elected by teachers) at ISPGaya.
- 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.
- Responsible for the submission and accreditation of the Computer Science course at ISPGaya in European Federation of National Engineering Associations (FEANI).
- Responsible for the course design of TeSP in Computer Systems and Network.
- Submission of 2 candidatures for PORDATA competition in the year of 2017.
- Promoter and author of the presentation about "Digital Security for Kids" in elementary municipality schools.
- Attendance and participation in the following academic juries:
 - Drag&Shop: Analysis and Conception of Products in e-business Sector (MSc. João Barbosa, FEUP-MIEEC). Participation as external arguer;
 - Network Management Platform with Spiceworks (MSc. Filipe Moreira). Participation as president of the jury;
 - Event monitoring in a SME - case study of DURIT (MSc. Nuno Quaresma). Participation as president of the jury.

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

- Team work: I have worked in various types of teams from research teams, business executive teams and political environment;
- 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;
- 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;
- 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.

Organisational skills and competences

- Good skills in coordinating work groups, by teaching activities and supervising undergraduate work;
- 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;
- Organizational skills also acquired during the organization of seminars and conferences at ISPGaya and INESC TEC;
- 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.
- Leader of Walkabout IP project (European IP project);
- Leader of the Olympics of Information Technology initiative at ISPGaya;
- Organizer of the Google - Android Training Program at ISPGaya;
- Member of Advisory Board of Atiiv (spin-off company);
- Member of Int. Association for Information Technology Communication and Development (IAITCD);
- Associated member of International Association of Innovation Professionals (IAOIP);
- Member of the "The Future of Innovation for the Fortune 500" panel at the Currnt community;
- Expert member for the development of ISO 50500/TC 279: "Standardization of terminology tools and methods and interactions between relevant parties to enable innovation";
- Lead and participate in European projects in the field of software engineering, entrepreneurship, innovation and serious games;
- Responsibility skills acquired by the leadership of the political project *JSD sem Fronteiras*.

Computer skills and competences

Operating Systems:

- Ms-Dos, Ms-Windows 2000/XP/Vista, Unix (HP-UX) and Linux

Programming Languages:

- Pascal, C, C++, PL/SQL, Prolog, Python, Assembly, Vmrl
- Java (Servlets, EJB, Hibernate), Java3D, Maven, Web Services, SOAP and JSP
- Visual Basic, VBA, Shell Script and Transact-SQL
- HTML5, Php, Ajax, JQuery, Javascript, Blender 3D, Actionscript, XML, XSL, XSD, XSML, XHTML, XML Schema and EDI
- .NET Framework: C#, WCF, WPF, Silverlight, Ruby on Rails, Objective C, ADO.NET, ASP.NET, XML Parsing and Web Services

Databases:

- Oracle and MS SQL Server
- MySQL and PostGreSQL
- Visual FoxPro, SQLite and Couch DB.

Quality Management:

- ISO 9001, ITIL, CMMI, SCRUM

Enterprise, Web and Collaboration Tools:

- Baan, mySAP, Sage ERP X3, Sage XRT, PHC FX, OpenBravo
- Zope, Plone, Nuxeo CPS, Drupal and Joomla
- Sugar CRM, openCRX, SQL Server Business Suite and Pentaho BI

Diverse Programs:

- Microsoft Office (including Microsoft Project, Publisher and FrontPage)
- Microsoft Visio, Mind Manager and Enterprise Architecture
- VMWare Server and VMWare Infrastructure Client
- Eclipse, Doxygen, Maven, Visual Studio and Visual Web Developer
- Oracle Designer, SQL Navigator and Oracle SQL Developer
- MS SQL Server, SQL Plus and SQL Server Management Studio
- Oracle Workflow and Ultimus Workflow
- ARToolkit, OpenGL, DirectX
- WinCVS, Tortoise SVN and OpenVPN

Technology Transfer

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 in order to build an information cube that could be manipulated with data marts. The user interface is intuitive and offers the possibility to create analysis with great flexibility (by month, year, bank, company, real and predicted balances).

IT Ideas Management Platform for INESC TEC:

- Implementation of an IT technological platform that allows collaborators of an organization to submit anonymously their ideas in order to promote the innovation, knowledge share and employees' empowerment. This platform was built exclusively with open source technologies and offers two innovative features: a statistical model that measures the contribution/involvement of each collaborator; a system that automatically detects and ranks similar ideas.

General Data Protection Regulation in the IT Sector for DigitalBrain:

- This project aims to assess the impact of GDPR on companies operating in information technologies and define best practices that can be implemented by companies to mitigate the risks and challenges of this migration.

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 Portuguese academic spin-offs taking into account several factors such as location, universities, founders, research centers, areas of expertise, organized events, among others.

Innovation Measurement WP and ISO 50501 for IAOP:

- Work developed in the process of identification of innovation measures and metrics and in the development of the ISO 50501 standard. Trabalho em conjunto com parceiros internacionais mainly located in USA and Australia.

Programming Challenges for Skilleo:

IT Consultant at *Skilleo.com*. Responsible for analysis, management consultant and IT development of new services and functionalities for Skilleo' company. 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.

The Concept Lab - A Visual Platform for Statistical Modelling & Exploration for Griffith University:

- This project proposes to develop The Concept Lab; a statistical modelling & exploration platform to enable next-gen multi-domain graphical modelling. The key innovation is to provide a common visual interface to graphical models from different quantitative disciplines, including Bayesian Networks and Structural Equation Models.

Pedagogical Service

| 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 |

Scientific and Technical production
(overview)

- Books: 11
- Book chapters: 29
- Journals: 109
- Conferences: 31
- Software: 17
- Technical works: 36
Last update: 8th July 2021

Published papers & books
(detailed)

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- Other interests
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 - 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.