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Contacts

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Research Interests

- Programming learning
- Learning environments
- Computer Science Education
- Meta-analysis
- Technology Enhanced Learning (TEL)
- Data Science
- Artificial Intelligence in Education (AIED)

Academic Qualifications

University/Institution	Type	Degree	Period

Universidade de Lisboa - Instituto da Educacao	PhD	Doutorado em Tecnologias da Informação e Comunicação.	2020
Centro Universitário Christus	Post-graduation	MBA Gerência de Projetos	2014
Universidade Federal de Pernambuco	M.Sc.	Mestrado profissional em Ciências da Computação.	2013
UNICE	Post-graduation	Especialização em Docência para Ensino Superior.	2011
Universidade de Tocantins	Licenciate	Análise e Desenvolvimento de Sistemas.	2009

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2025/2026	2º	Database and Information Management		Yes
2025/2026	2º	Programming Fundamentals		Yes
2025/2026	2º	Internet Programming	Bachelor Degree in Digital Technologies and Information Security;	Yes
2025/2026	2º	Project Planning and Management	Bachelor Degree in Digital Technologies and Information Security; Bachelor Degree in Software and Applications Development;	Yes
2025/2026	2º	Project Planning and Management		Yes
2025/2026	2º	Project Planning and Management	Bachelor Degree in Digital Educational Technologies;	Yes
2025/2026	2º	Project Planning and Management		Yes
2025/2026	2º	Project Planning and Management		Yes
2025/2026	1º	Database and Information Management	Bachelor Degree in Digital Technologies and Artificial Intelligence;	Yes
2025/2026	1º	Programming Fundamentals	Bachelor Degree in Mathematics Applied and Digital Technologies; Bachelor Degree in Digital Technologies and Health; Bachelor Degree in Digital Technologies and Automation;	Yes
2025/2026	1º	Internet Programming		Yes
2024/2025	2º	Internet Programming	Bachelor Degree in Digital Technology and Sustainable Built Environment; Bachelor Degree in Digital Technologies and Information Security; Bachelor Degree in Software and Applications Development;	Yes

2024/2025	1º	Database and Information Management	Bachelor Degree in Digital Technologies and Health;	Yes
2024/2025	1º	Programming Fundamentals	Bachelor Degree in Mathematics Applied and Digital Technologies; Bachelor Degree in Digital Educational Technologies; Bachelor Degree in Digital Technologies and Health;	Yes
2024/2025	1º	Internet Programming		Yes
2023/2024	2º	Project Planning and Management	Bachelor Degree in Digital Technologies and Management; Bachelor Degree in Digital Technologies and Health;	No
2023/2024	2º	Project Planning and Management	Specialization Degree in Project Management and Agile Software Development; Bachelor Degree in Digital Technologies and Information Security; Bachelor Degree in Software and Applications Development; Bachelor Degree in Digital Technologies and Artificial Intelligence;	No
2023/2024	2º	Project Planning and Management	Bachelor Degree in Mathematics Applied and Digital Technologies;	No
2023/2024	2º	Project Planning and Management	Bachelor Degree in Digital Technologies and Automation;	No
2023/2024	2º	Project Planning and Management	Bachelor Degree in Digital Educational Technologies;	No

Supervisions

• M.Sc. Dissertations

- Ongoing

	Student Name	Title/Topic	Language	Status	Institution
1	António Miguel Cardoso Azevedo	Criar e implementar uma Ferramenta Digital ao serviço da tomada de decisão escolar: Monitorização, Colaboração e Sucesso Educativo	--	Developing	Iscte
2	Ivo Marcelo Pereira Reis	The Impact of Artificial Intelligence on Productivity and Well-being in Healthcare Settings	--	Developing	Iscte
3	Ana Cristina Ribeiro Martins	Optimizing Hemodialysis Patient Transport through Digital Transformation: Challenges, Opportunities, and Strategic Directions	--	Developing	Iscte

4	Ruben Filipe Mansinho da Silva	Web Application to evaluate the security of an organization's infrastructure and network equipment	--	Developing	Iscte

Total Citations

Web of Science®	3
Scopus	6

Publications

- **Scientific Journals**

- Scientific journal paper

1	Pontes, T. B. (2025). Regulamentação das redes sociais versus crimes cibernéticos. Journal of Law and Sustainable Development. 13 (2) - Times Cited Google Scholar: 1
2	Santos, D. M. dos., Pontes, T. B. & Landim, C. B. P. (2024). Inclusive cities for visually impaired people. Revista de Gestão Social e Ambiental. 18 (8)
3	Pontes, T. B. & Santos, D. (2024). Quebrar barreiras: Investigando a sub-representação feminina e a equidade de gênero na computação. Journal of Law and Sustainable Development. 12 (12), 1-13
4	Pontes, T. B. & Daniel Dias Branco Arthaud (2019). METODOLOGIAS ÁGEIS PARA O DESENVOLVIMENTO DE SOFTWARES. Ciência e Sustentabilidade. 4 (2), 173-213 - Times Cited Google Scholar: 32
5	Pontes, T. B. & Guilhermina Lobato Miranda (2018). Validação em Língua Portuguesa da Escala de Motivação de Realização. RISTI - Revista Ibérica de Sistemas e Tecnologias de Informação/Iberian Journal of Information Systems and Technologies (RISTI). 27, 109-125 - Times Cited Google Scholar: 3
6	Pontes, T. B., Guilhermina Lobato Miranda & Gabriela Caffarena Celani (2018). Algorithm-Aided Design with Python: Analysis of Technological Competence of Subjects. Education Sciences. 8 (4), 200 - Times Cited Web of Science®: 2 - Times Cited Scopus: 5 - Times Cited Google Scholar: 6
7	Pontes, T. B. & Valdi Geraldo Teixeira Junior (2017). ANÁLISE DO NÍVEL DE MATURIDADE EM GERENCIAMENTO DE PROJETOS EM UMA AGÊNCIA DE PUBLICIDADE DA REGIÃO DO CARIRI. Revista Gestão em Análise. 5 (2), 82 - Times Cited Web of Science®: 1 - Times Cited Google Scholar: 5
8	José Lutiano Costa da Silva & Pontes, T. B. (2016). UTILIZAÇÃO DE NUVEM PRIVADA EM AMBIENTE CORPORATIVO COMO ESTRATÉGIA PARA SUSTENTABILIDADE NAS EMPRESAS PÚBLICAS. Ciência e Sustentabilidade. 2 (2), 146 - Times Cited Google Scholar: 1

• Books and Book Chapters

- Book author

1	Guilhermina Lobato Miranda, Rafael, M., Melo, M., Costa, J. M. & Pontes, T. B. (2021). 4C-ID Model and Cognitive Approaches to Instructional Design Technology: Emerging Research and Opportinities. Hershey. Igi global. - Times Cited Google Scholar: 1

- Book chapter

1	Catarina Costa de Souza, Ivy Francielle Higino Martins, Deborah Macedo dos Santos & Pontes, T. B. (2025). Sustainability and the Designer's Environmental Responsibility. In Springer Series in Design and Innovation. (pp. 3-13).

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Pontes, T. B., Santos. D., Carvalho, M. E., Souza, M. G. & Miranda, G. (2023). Teacher Self-efficacy: An insight in a time of pandemic. In 18th Iberian Conference on Information Systems and Technologies (CISTI). (pp. 1-6). Aveiro, Portugal: IEEE. - Times Cited Google Scholar: 1
2	Nunes, R., Santos, D. & Pontes, T. B. (2023). New classroom technologies:: Case study of 3D printers in design course. In 2023 18th Iberian Conference on Information Systems and Technologies (CISTI). Aveiro, Portugal: IEEE. - Times Cited Scopus: 1 - Times Cited Google Scholar: 1
3	Valladares Núñez, Y., Lopes, C., Santos, D., Pontes, T. B., Macêdo, W. & Pereira, L. (2023). Anatomia, impressão 3D e arte: criação de modelos inclusivos para o ensino da anatomia humana. In Anais do Congresso Brasileiro Interdisciplinar em Ciência e Tecnologia. Online: Even3.
4	Carvalho, M. E., Santos, D., Pontes, T. B. & Miranda, G. (2023). Online emotions on distance learning: An analysis during the Covid-19 pandemic. In Luis Gómez Chova; Agustín López Martínez; Ignacio Candel Torres; (Ed.), INTED2023 Proceedings. (pp. 4759-4764). Valencia, Spain - Times Cited Google Scholar: 1
5	Pontes, T. B., Miranda, G. & Santos, D. (2021). Virtual learning environments: What makes them effective. In Luis Gómez Chova; Agustín López Martínez; Ignacio Candel Torres; (Ed.), ICERI2021 Proceedings. (pp. 407-417). Online Conference: IATED. - Times Cited Google Scholar: 2

Academic Management Positions

Coordenador do 2º Ano (2025 - 2026)
Unit/Area: Bachelor Degree in Digital Educational Technologies

Coordenador do 2º Ano (2025 - 2026)
Unit/Area: Bachelor Degree in Digital Technologies and Artificial Intelligence

Coordenador do 1º Ano (2025 - 2026)
Unit/Area: Bachelor Degree in Software and Applications Development

Coordenador do 1º Ano (2025)
Unit/Area: Bachelor Degree in Digital Educational Technologies

Membro (Docente) (2024 - 2025)
Unit/Area: Comissão Pedagógica

Coordenador do 1º Ano (2024 - 2025)
Unit/Area: Bachelor Degree in Digital Educational Technologies

Coordenador do 1º Ano (2024 - 2025)
Unit/Area: Bachelor Degree in Software and Applications Development

Coordenador do 1º Ano (2023 - 2024)
Unit/Area: Bachelor Degree in Software and Applications Development