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Curriculum

Américo Rio is a Visiting Professor at NovaIMS/UNL in the areas of Web and Mobile Development, where he currently teaches two curricular units (Web Technologies and Applications, and Mobile Application Development) as coordinator, and Research Methodologies as a lecturer (master's degrees). He was a visiting assistant from 2015/16 until 2022/23 at the same institution. From 2006 to 2020 he was a guest assistant at ISCTE-IUL, where he taught Web Development in 2021 and Mobile Applications in the previous three years. He was a lecturer at the European University from 2009 to July 2016, in the areas of Web Application Development and Mobile Development, Game Development, Design, Class Programming. In the industry, he was a founding partner of Itcode. Itcode specializes in custom software development for web, mobile, desktop and social networks. Over the last (more than) 20 years, he has developed and managed numerous projects for national and international companies, in the areas of web, mobile, desktop and social media applications, both at Itcode and at other companies where he has previously worked. Notable projects: Movermais - an application that records the calories consumed during exercise and ingested through food, giving a balance. Zib - An addictive stock market game online learning (architecture and lead developer) -Banco Best, Inquérito PDA - Médicos do Mundo / UNL, ZeroDez (motorPress group), Clix (Backoffice Channels), Carteira.pt, SaldoPositivo 1st version (CGD), Anticontrafacao (INPI, GRN, PSP, ASAE, AT, PJ) and other applications for Medis, Hyundai, Roff, CTT, CCB, Navigator.He holds a PhD in Information Sciences and Technologies (ISCTE), a Master's degree in Computer Engineering (FCT/UNL), and a degree in Physics Engineering (FCT/UNL), as well as a postgraduate degree in Entrepreneurship and Business Creation (INDEG /ISCTE) and a postgraduate degree in Computer Engineering (FCT/UNL) and a specialization course in Industrial Electrolysis (IST). He also holds a specialist degree in Computer Engineering from the European University. His interests are: development of web applications and games, mobile and other platforms, interfaces with hardware and the internet of things, software development processes and application quality, data science and LLMs, data/text/web mining, big data, business intelligence and data warehousing.

Academic Qualifications

University/Institution	Type	Degree	Period
ISCTE-Instituto Universitario de Lisboa	PhD	PhD in Information Science and Technology	2023
Universidade Nova De Lisboa / Faculdade de Ciências e Tecnologia	M.Sc.	Mestrado em Engenharia Informática	2010
Indeg/iscte	Post-graduation	Pós-Graduação em Empreendedorismo e Criação de empresas	2007
Universidade Nova De Lisboa / Faculdade de Ciências e Tecnologia	Post-graduation	Pós-Graduação em Engenharia Informática	2006
Universidade Nova De Lisboa / Faculdade de Ciências e Tecnologia	Licenciate	Licenciatura em Engenharia Física	2005

Teaching Activities

Teaching Year	Sem.	Course Name	Degree(s)	Coord.
2019/2020	2º	Development of Web Applications		No
2018/2019	2º	Mobile Applications Development		No
2017/2018	2º	Mobile Applications Development		No

Supervisions

Total Citations

Web of Science®	10
Scopus	19

Publications

• Scientific Journals
- Scientific journal paper

1	Rio, A. & Brito e Abreu, F. (2023). PHP code smells in web apps: Evolution, survival and anomalies. Journal of Systems and Software. 200 - Times Cited Scopus: 2 - Times Cited Google Scholar: 7

• Conferences/Workshops and Talks

- Publication in conference proceedings

1	Rio, J. & Abreu, F. B. e. (2021). Detecting sudden variations in web apps code smells' density: A longitudinal study. In Paiva, A. C. R., Cavalli, A. R., Martins, P. V., and Pérez-Castillo, R. (Ed.), Quality of information and communications technology. Communications in Computer and Information Science. (pp. 82-96). Online: Springer. - Times Cited Scopus: 1 - Times Cited Google Scholar: 2
2	Rio, A. & Brito e Abreu, F. (2019). Code smells survival analysis in web apps. In Piattini, M., Cunha, P. R. da., Rodríguez de Guzmán, I. G., and Pérez-Castillo, R. (Ed.), Quality of Information and Communications Technology. Communications in Computer and Information Science. (pp. 263-271). Ciudad Real: Springer. - Times Cited Scopus: 3 - Times Cited Google Scholar: 6
3	Rio, Américo & Brito e Abreu, F. (2017). Analyzing web applications quality evolution. In 12th Iberian Conference on Information Systems and Technologies, CISTI 2017. (pp. 1760-1763). Lisboa: IEEE. - Times Cited Scopus: 1 - Times Cited Google Scholar: 4
4	Rio, A & Abreu, F. B. e (2016). Web systems quality evolution. In Paulk, M., Brito, M. A., Amaral, V., Machado, R. J. and Goulão, M. (Ed.), 2016 10th International Conference on the Quality of Information and Communications Technology (QUATIC). (pp. 248-253). Lisbon: IEEE. - Times Cited Web of Science®: 1 - Times Cited Scopus: 3 - Times Cited Google Scholar: 5
5	Rio, J., Rio, J. & Brito e Abreu, F. (2010). Websites quality: Does it depend on the application domain?. In 7th International Conference on the Quality of Information and Communications Technology (QUATIC'2010). (pp. 493-498). Porto, Portugal: IEEE Computer Society Press. - Times Cited Web of Science®: 8 - Times Cited Scopus: 9 - Times Cited Google Scholar: 25

- Talk

1	Rio, J. & Brito e Abreu, F. (2017). Analyzing web applications quality evolution. CISTI.
2	Rio, Américo & Brito e Abreu, F. (2016). Web Systems Quality Evolution. 10th International Conference on the Quality of Information and Communications Technology (QUATIC'2016). - Times Cited Web of Science®: 1
3	Rio, Américo & Brito e Abreu, F. (2010). Websites Quality: Does it Depend on the Application Domain?. 7th International Conference on the Quality of Information and Communications Technology (QUATIC'2010).

• Other Publications

- Other publications

1	Rio, J. (2010). Modelo automático de qualidade para sítios web. - Times Cited Google Scholar: 1

- Paper in press

1	Rio, J. & Brito e Abreu, F. (2021). PHP code smells in web apps: survival and anomalies. Computing Research Repository (CoRR). 2101 (00090), 1-33

Research Projects

Project Title	Role in Project	Partners	Period
Data Science for non-programmers	Researcher	ISTAR-Iscte (SSE)	2019
2019	Sustainability and authenticity in the tourism offer	Researcher	ISTAR-Iscte (SSE), ESHTE - (Portugal), GEOTA - (Portugal), FFCT/FCT/UNL - (Portugal), ISPA - (Portugal), ICNF - (Portugal)