Luciano Marchezan, Dr.

✉ lucianomarchp@gmail.com   in @lucianomarchezan

🌐 https://lucianomarchezan.github.io/

🎓 https://scholar.google.com/citations?user=26yB7xkAAAAJ&hl

📈 *Citations:* 302, *h-index:* 10

Summary

Has experience in Computer Science, focusing on Software Engineering. Currently, a Post Doctoral Researcher at the Department of Computer Science and Operations Research (DIRO) at the University of Montreal. The current research includes Model-Driven Software Engineering, Digital Twins, Software Modernization, and Empirical Software Engineering.

Previously, a Post Doctoral Researcher at the Institute of Software Systems Engineering (ISSE) at Johannes Kepler University Austria. Obtained the Ph.D. diploma at the Institute of Software Systems Engineering (ISSE) at the Johannes Kepler University (JKU), supervised by Prof. Dr. Alexander Egyed on the topic of consistency maintenance for model-based collaborative environments. Graduated as a Software Engineer and finished a Master's Degree in Software Engineering at the Universidade Federal do Pampa - Campus Alegrete on the topic of Domain-Specific Languages, Variability Management, and Reengineering.

Employment History

2025 – ⋯	**Postdoc Researcher** - Department of Computer Science and Operations Research (DIRO) at the University of Montreal, Montreal, Canada
2023 – 2025	**University Assistant/Postdoc Researcher** - Institute of Software Systems Engineering - Johannes Kepler University, Linz, Austria
2020 – 2023	**University Assistant/Predoc Researcher** - Institute of Software Systems Engineering - Johannes Kepler University, Linz, Austria
2019 – 2020	**Full Stack Developer** - Capataz, Sustainable Livestock, Alegrete RS - Brazil.
	Full Stack Developer - EletroVirtual, Alegrete RS - Brazil.
2017 – 2017	**Full Stack Developer** - Porthal Sistemas, Alegrete RS - Brazil.
2014 – 2014	**Front End Developer** - GreenWays2Go, Chigao IL - USA.

Education

2021 – 2023	**Ph.D. Computer Science** at Johannes Kepler University, Linz, Austria. Thesis title: *Improving Consistency Maintenance for Collaborative Software Systems Engineering.*
2019 – 2020	**M.Sc. Software Engineering,** at Universidade Federal do Pampa, Alegrete, Brazil. Thesis title: *PAxSPL: A generic framework to support the planning of SPL reengineering.*
2012 – 2018	**B.Sc. Software Engineering,** at Universidade Federal do Pampa, Alegrete, Brazil. Thesis title: *PAxSPL: a Feature Retrieval Process for Software Product Line Re-engineering.*

Research Publications

Teaching

Johannes Kepler University

2025	343.301 Techniques of Presentation and Team Work (AI for Software Engineering) (3 credits)
	343.350 Engineering of AI-intensive Systems (3 credits)

Teaching (continued)

	343.008 Model-driven Engineering (3 credits)
	343.006 Seminar in Software Engineering (History and Evolution of Software Artifacts) (3 credits)
2024	343.006 Seminar in Software Engineering (AI Applied to Software Engineering) (3 credits)
	343.001, 343.302, 343.004 Software Engineering (Exercises) (3 credits each)
	343.301 Techniques of Presentation and Team Work (AI for Software Engineering) (3 credits)
	343.350 Engineering of AI-intensive Systems (3 credits)
	343.008 Model-driven Engineering (3 credits)
	343.006 Seminar in Software Engineering (History and Evolution of Software Artifacts) (3 credits)
2023	343.006 Seminar in Software Engineering (AI-driven Software Systems) (3 credits)
	343.001, 343.302 Software Engineering (Exercises) (3 credits each)
	343.006 Seminar in Software Engineering (Software Modernization) (3 credits)
2022	343.309 Software Engineering (Exercises) (3 credits)
	343.006 Seminar in Software Engineering (Software Modernization) (3 credits)
2021	343.309 Software Engineering (Exercises) (3 credits)
	343.006 Seminar in Software Engineering (Recommendation Systems for Software Engineering) (3 credits)

Grants and Funding

2025 – 2029	Austrian Science Fund (FWF) - Project Title: Co-Existence of Modeling Language Versions and their Bounded Co-Evolution (COEE). PI: Alexander Egyed (JKU, Austria). Co-PIs: **Luciano Marchezan**, Wesley K. G. Assunção (NCSU). Funding: EUR 449,882.55.
2025 – 2028	Economic Affairs Department of the State of Upper Austria. Call: AI Region Upper Austria. Project Title: RefactorAI. PI: Ouijdane Guiza (Pro2Future GmbH). Co-PIs: Paul Grünbacher (JKU, Austria), Alexander Egyed (JKU, Austria). Collaborators: Wesley K. G. Assunção (NCSU), **Luciano Marchezan**, Cosmina Ratiu (JKU, Austria). Industry Partners: Dynatrace and ITPRO Consulting & Software GmbH. Funding: EUR 928,250.00.

Miscellaneous Experience

Organization

2025 – · · ·	Software Engineering at Montreal – Meeting at UdeM
2024 – · · ·	International workshop on collaborative and participatory modeling (MODELS co-located workshop)

Reviews for Journals

2025 – · · ·	ACM Transactions on Software Engineering and Methodology
	Information and Software Technology
2024 – · · ·	Software and Systems Modeling
	Automated Software Engineering
2023 – · · ·	Journal of Systems and Software
2022 – · · ·	Journal of Software: Evolution and Process

Reviews for Conferences and Workshops

2025 – · · ·	International Conference on Software Analysis, Evolution and Reengineering (SANER) – Research track

Miscellaneous Experience (continued)

	International Systems and Software Product Line Conference (SPLC) – Main Track
	International Conference on Evaluation and Assessment in Software Engineering (EASE) – Short papers and Emerging Results Track
	International Conference on Model Driven Engineering Languages and Systems (MODELS) – Tools and Demonstrations Track
	International Conference on Software Testing, Verification and Validation (ICST) – Posters Track
2024 – ···	First International Workshop on Model Management (MODELS co-located workshop)
2023 – ···	Re:Volution (SPLC co-located workshop)

Awards and Achievements

2025	**JKU Young Researchers' Award** for the thesis "Improving Consistency Maintenance for Collaborative Software Systems Engineering"
2024	**Distinguished Paper Award**, SANER 2024. For the paper "Exploring dependencies among inconsistencies to enhance the consistency maintenance of models"
2022	**SoSym-First Paper Award**, MODELS 2022. For the paper "Generating repairs for inconsistent models"
	Best Paper Award, ICSSP/ICGSE 2022. For the paper "Change-oriented repair propagation""
2021	**Best Master Thesis**, Software Engineering Doctoral and Master Theses Competition - Brazil.
2019	**Student with the most outstanding performance in the Software Engineering Masters Course**, Universidade Federal do Pampa.
2018	**Student with the most outstanding performance in the Software Engineering Undergraduate Course**, Universidade Federal do Pampa.
2016	**Student with the most outstanding performance in the Software Engineering Undergraduate Course**, Universidade Federal do Pampa.
2014	**Dean's List Certificate**, Illinois Institute of Technology School of Applied Technology.

Skills

Languages	Strong reading, writing and speaking competencies for English and Portuguese.
Coding	Java, Dart, php, C#, Python, LaTeX.
Databases	Cloud Firestore, Mysql, Postgresql.
Web Dev	JavaScript, Html, css, Apache Web Server, Tomcat Web Server.
Modeling.	UML, Feature models, ER.
Technologies	GitHub, Bitbucket, Jira, Laravel, Flutter, Firebase, Eclipse Modeling Fraemework.
Misc.	Academic research, teaching, LaTeX typesetting and publishing.

References

Available on Request