

Leonardo Cotta

POSTDOCTORAL FELLOW · MACHINE LEARNING

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Education

Purdue University

PHD COMPUTER SCIENCE

- Advisor: Prof. Bruno Ribeiro
- Thesis: Higher-order reasoning with graph data

West Lafayette, IN

2017 - 2022

Universidade Federal de Minas Gerais

BS COMPUTER SCIENCE

- Advisor: Prof. Antonio Loureiro

Belo Horizonte, Brazil

2012 - 2016

Professional Experience

2022 - present **Postdoctoral Fellow**, Vector Institute

2020 - 2022 **Graduate Research Assistant**, Purdue University

2021 **Artificial Intelligence Research Intern**, Intel Labs

2019-2020 **Graduate Teaching Assistant**, Purdue University

2018-2019 **Graduate Research Assistant**, Purdue University

2017-2018 **Qatar Computing Research Institute Fellowship**, Purdue University

2016 **Undergraduate Research Assistant**, Universidade Federal de Minas Gerais

2015 **Undergraduate Research Assistant**, LG Electronics, Universidade Federal de Minas Gerais

2014 **Undergraduate Research Assistant**, University of Calgary

Selected Publications

PRE-PRINTS

L Cotta, G Yehuda, A Schuster, CJ Maddison, 2023. Probabilistic Invariant Learning with Randomized Linear Classifiers. arXiv:2308.04412

PUBLISHED

L Cotta, B Bevilacqua, N Ahmed, B Ribeiro, 2023. Causal Lifting and Link Prediction. Proceedings of the Royal Society A

L Cotta, C Morris, B Ribeiro, 2021. Reconstruction for Powerful Graph Representations. NeurIPS

L Cotta, CHC Teixeira, A Swami, B Ribeiro, 2020. Unsupervised Joint k -node Graph Representations with Compositional Energy-Based Models. NeurIPS

CHC Teixeira, **L Cotta**, B Ribeiro, W Meira Jr, 2018. Graph Pattern Mining and Learning through User-defined Relations. ICDM

AL Maia Neto, ALF Souza, Í Cunha, M Nogueira, IO Nunes, **L Cotta**, N Gentile, AAF Loureiro, DF Aranha, HK Patil, LB Oliveira, 2016. AoT: Authentication and Access Control for the Entire IoT Device Life-Cycle. ACM Sensys

Patents

2019 **System and method for authentication of things**, Patent Number: 10523437

Awards, Fellowships, & Grants

2022 **Postdoctoral Fellowship**, Vector Institute
2017 **Graduate Research Fellowship**, Qatar Computing Research Institute
2014 **Science Without Borders Scholarship**, University of Calgary/CNPq
2012 **Young Talents of Science Award**, CAPES

Teaching Experience

Spring 2020	Computational Methods in Optimization , Graduate Teaching Assistant	<i>Purdue University</i>
Fall 2019	Introduction to Data Science , Graduate Teaching Assistant	<i>Purdue University</i>

Outreach

SERVICE

NeurIPS 2023 — Reviewer
ICML 2023 — Reviewer
ICLR 2023 — Reviewer
AAAI 2023 — Area Chair
NeurIPS 2022 — Reviewer
LOGML 2022 — Mentor
LoG 2022 — Organizer
AAAI 2021 — Reviewer
SDM 2021 — Reviewer