

EDUCATION

Doctor of Philosophy in Computing Science Purdue University, West Lafayette, IN, USA Advisor: Bruno Ribeiro	2017 – 2022
Bachelor of Science in Computer Science Universidade Federal de Minas Gerais (UFMG), Belo Horizonte, MG, Brazil	2012 – 2016

RESEARCH POSITIONS

Vector Institute, Toronto, ON, Canada Postdoctoral Fellow under Chris J. Maddison	2022 – present
Purdue University, West Lafayette, IN, USA Graduate Research Assistant	2020 – 2022
Intel Labs, Santa Clara, CA, USA AI Research Intern	Summer 2021
Purdue University, West Lafayette, IN, USA Graduate Teaching Assistant	2019 – 2020
Purdue University, West Lafayette, IN, USA Graduate Research Assistant	2018 – 2019
Purdue University, West Lafayette, IN, USA Qatar Computing Research Institute Fellowship	2017 – 2018
Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brazil Undergraduate Research Assistant	2016 – 2017
LG Electronics, Belo Horizonte, MG, Brazil Undergraduate Research Assistant	2015

AWARDS AND HONORS

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

SERVICE

Area chair for AAAI 2022.
PC member for NeurIPS 2022, NeurIPS 2023, ICML 2022, ICML 2023, ICLR 2023, AAAI 2021.
Ad-hoc reviewer for Journal of Computational and Graphical Statistics.

Organizer of LoG (Learning on Graphs) 2022.

TEACHING

Computational Methods in Optimization, CS520, Purdue University 2020
Teaching Assistant — \approx 30 students.

Introduction to Data Science, CS242, Purdue University 2019
Head Teaching assistant — \approx 200 students.

SELECTED PUBLICATIONS

For full list and metrics, see [Google Scholar](#).

PREPRINTS

- **Test-Time Fairness and Robustness in Large Language Models**

L Cotta, CJ Maddison

arXiv preprint, 2024

- **Boosting the Predictive Power of Protein Representations with a Corpus of Text Annotations**

H Duan, M Skreta, L Cotta, EM Rajaonson, N Dhawan, A Aspuru-Guzik, CJ Maddison

arXiv preprint, 2024

- **End-To-End Causal Effect Estimation from Unstructured Natural Language Data**

N Dhawan, L Cotta, K Ullrich, RG Krishnan, CJ Maddison

arXiv preprint, 2024 (Accepted for NeurIPS 2024)

PUBLISHED

- **Probabilistic Invariant Learning with Randomized Linear Classifiers**

L Cotta, G Yehuda, A Schuster, CJ Maddison

NeurIPS, 2023

- **Causal Lifting and Link Prediction**

L Cotta, B Bevilacqua, N Ahmed, B Ribeiro

Proceedings of the Royal Society A, 2023

- **Reconstruction for Powerful Graph Representations**

L Cotta, C Morris, B Ribeiro

NeurIPS, 2021

- **Unsupervised Joint k -node Graph Representations with Compositional Energy-Based Models**

L Cotta, CHC Teixeira, A Swami, B Ribeiro, 2020

NeurIPS, 2020

- **Graph Pattern Mining and Learning through User-defined Relations**

CHC Teixeira, L Cotta, B Ribeiro, W Meira Jr

IEEE ICDM, 2018

INVITED TALKS

- **Test-time algorithms for language models, 2024**

Deep Learning & Reinforcement Learning Summer School, Toronto

- **Causal Lifting and Link Prediction, 2023**

Johns Hopkins, CISS

- **Higher-order reasoning with graph data, 2022**

Vector Institute, Microsoft Research