

Rafael Seidi Oyamada

☎ +39 351 608 0115 | ✉ rso.seidi@gmail.com | 🌐 raseidi | in rafaelseidi

Education

Ph.D. student in Computer Science

UNIVERSITY OF MILAN

Milan - Italy

2022-now

M.Sc. in Computer Science

LONDRINA STATE UNIVERSITY

Londrina, PR - Brazil

2019-2021

B.Sc. in Computer Science

LONDRINA STATE UNIVERSITY

Londrina, PR - Brazil

2013-2018

Bio

Rafael is a Ph.D. student in Computer Science at the University of Milan. He received his BSc and MSc degrees in 2019 and 2021, respectively, both in Computer Science at the Londrina State University. His current research interests lie primarily in deep generative models and representational learning. In particular, he works with generative models for enhancing business processes and encoding methods for log (event) data extracted from information systems. Alternative interests include databases for similarity-based retrieval, graph algorithms, and meta-learning.

Publications

1. Barbon Jr., S.; Ceravolo, P.; **Oyamada, R.S.**; Tavares, G.M., *Trace Encoding in Process Mining: a Survey and Benchmarking*, in arXiv:2301.02167, 2023 (preprint submitted to the journal Engineering Applications of Artificial Intelligence).
2. **Oyamada, R.S.**; Shimomura, L.C.; Barbon, S.; Kaster, D.S., *A Meta-learning Configuration Framework for Graph-based Similarity Search Indexes*, Information Systems 2023.
3. Shimomura, L.C.; **Oyamada, R.S.**; Vieira, M.R.; Kaster, D.S., *A survey on graph-based methods for similarity searches in metric spaces*, Information Systems 2021.
4. **Oyamada, R.S.**; Shimomura, L.C.; Barbon, S.; Kaster, D.S., *Towards Proximity Graph Auto-Configuration: an Approach Based on Meta-learning*, ADBIS 2020.

Employment

Data Scientist

RADIOLIFE

Silicon Valley, California, USA

March 2021 - January 2022

- Worked on a project where the proposed idea was the development of a device capable of detecting Covid-19 in a few seconds. Tasks included monitoring, analyzing, processing, and managing data generated by such device to validate the product, provide insights, and deploy ML models learned from it.

Software Engineer

TATA CONSULTANCY SERVICES

Londrina, PR, Brazil

June 2018 - March 2019

- Worked on banking projects. In the first project, tasks included supporting and maintaining the system in both front and back-end. In the second one, systems were implemented from scratch.

Python Developer

PEDRIALI & VASCONCELLOS - LAW FIRM

Londrina, PR, Brazil

April 2016 - April 2017

- Worked on the development of python software and scripts to improve and optimize routine tasks in the office, in order to accelerate the employees' production. Examples of such tasks were the auto-filling of proceedings sheets, auto-scheduling, management of contracts, and web scraping.

Mentor (undergraduate)

LONDRINA STATE UNIVERSITY

Londrina, PR, Brazil

August 2014 - August 2015

- Worked as Teaching Mentor for two years. Supported students in the disciplines of Programming Techniques (2015) and Data Structures (2016).

Information Technology Mentor

LONDRINA STATE UNIVERSITY

Londrina, PR, Brazil

Jan. 2018 - Apr. 2018

- Worked on a social project for digital inclusion, where the main purpose was the introduction of IT basic concepts to elderly and kids. The approached concepts included web navigation, sending e-mails, social media, and file management.

Undergraduate Research Intern

AGRONOMIC INSTITUTE OF PARANA (IAPAR)

Londrina, PR, Brazil

August 2013 - August 2014

- Worked with a device which aimed at collecting digital information (e.g. leaf weight) from coffee plants through electromagnetic waves.
- Assisted in the analysis of data collected from coffee plants.

Other

- **Languages** – Portuguese (native), English (proficient), and Italian (beginner).
- **Skills** – Python · Pytorch · Numpy · Git · Unix · Latex · DBMS · Software Design.