

José Nascimento

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Academic Background

2020 – 2025:	PhD in Computer Science	Universidade de Campinas, Brazil
2024 – 2024 :	PhD Intern	Washington University in Saint Louis, United States
2023 – 2023:	PhD Intern	Politecnico di Milano, Italy
2015 – 2019:	BSc in Computer Science	Universidade de Campinas, Brazil

Professional Experience

1. **AI Specialist**, Psyche Aerospace, Campinas, Brazil (Dec 2024 – Sep 2025)
 - Designed computer vision and machine learning solutions using drone and satellite imagery.
 - Built LLM-based autonomous agents for back-office.
2. **Software Engineer**, ORGM IT Solutions, São Paulo, Brazil (Jan 2014 – Feb 2015)
 - Developed and maintained an ERP system.
 - Collaborated directly with clients to gather requirements and provide technical support.

Academic Activities

1. **Doctorate’s Research**. FAPESP Fellowship, UNICAMP (Mar 2020 - Jan 2025). Project: “Determining relevance of social-media posts for forensic event analysis”. Under Prof. Anderson Rocha’s supervision.
2. **Ph.D. Internship**. Washington University in St. Louis(Jan 2024 - Jul 2024). McDonnell International Scholars Academy funded a six-month research internship under Prof. Nathan Jacobs’s supervision.
3. **Ph.D. Internship**. Politecnico di Milano (Jan 2023 - Jul 2023). FAPESP funded a six-month research internship under Prof. Paolo Bestagini’s supervision.
4. **Undergraduate Research**. FAPESP Fellowship, UNICAMP (Nov 2018 - Nov 2019). Project: Monitoring of events in social networks for data collection, information analysis and temporal synchronization.
5. **Teacher Assistant**. UNICAMP (Mar 2018 - Jun 2018). Course of Algorithms and Computer Programming.
6. **Teacher Assistant**. UNICAMP (Aug 2017 - Nov 2017). Course of Object-oriented programming.

Publications

- B. Lavi, **J. Nascimento**, and A. Rocha, “Semi-Supervised Feature Embedding for Data Sanitization in Real-World Events,” in *Proc. IEEE Int. Conf. Acoustics, Speech and Signal Processing (ICASSP)*, Toronto, Canada, Jun. 2021.
- R. Padilha, A. Theóphilo, F. A. Andaló, D. A. Vega-Oliveros, J. P. Cardenuto, G. Bertocco, **J. Nascimento**, J. Yang, and A. Rocha, “A Inteligência Artificial e os desafios da Ciência Forense Digital no século XXI,” *Estudos Avançados*, Apr. 2021.
- **J. Nascimento**, J. P. Cardenuto, J. Yang, and A. Rocha, “Few-shot Learning for Multi-modal Social Media Event Filtering,” in *Proc. IEEE Int. Workshop on Information Forensics and Security (WIFS)*, Shanghai, China, Dec. 2022.
- D. A. Vega-Oliveros, **J. Nascimento**, B. Lavi, and A. Rocha, “Real-world-events data sifting through ultra-small labeled datasets and graph fusion,” *Applied Soft Computing*, Jan. 2023.
- J. Yang, **J. Nascimento**, G. Bertocco, A. Theophilo, R. Padilha, A. Soriano Vargas, F. Andaló, and A. Rocha, “AI Knows What You Did Last Summer: Applications in Digital Forensics,” in *Computer Vision: Challenges, Trends, and Opportunities*, May 2024.
- **J. Nascimento**, N. Jacobs, and A. Rocha, “Interactive Event Sifting using Bayesian Graph Neural Networks,” in *Proc. IEEE Int. Workshop on Information Forensics and Security (WIFS)*, Rome, Italy, Dec. 2024.
- **J. Nascimento**, P. Bestagini, and A. Rocha, “Multimodal Classification of Social Media Disaster Posts with Graph Neural Networks and Few-shot Learning,” *IEEE Access*, Aug. 2025.

Awards

2020 Graduated with Distinction - High GPA, UNICAMP.

Other Activities

- Lecturer, Unicamp de Portas Abertas (UPA) – annual university outreach event, 2024. Presented the talk “*Artificial Intelligence: Unveiling concepts, applications, and opportunities in the field of AI*” (originally delivered in Portuguese).
- Volunteer, Workshop of Theses and Dissertations (WTD), UNICAMP, 2022–2024. Assisted in organizing an annual graduate research workshop, managing finances, sponsorships, lecturer invitations, awards, and presentation sessions.

Skills

- Experience with programming languages: Python, C, SQL and Java.
- Experience with deep learning framework: Pytorch.
- Proficient knowledge in mathematics and data analysis.

Languages

- **Portuguese:** Native.
- **English:** Full professional proficiency.
- **Italian:** Intermediate proficiency.