

Larissa Ferreira Rodrigues Moreira

Assistant Professor | Federal University of Viçosa (UFV) | Institute of Exacts and Technological Sciences
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Education

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| 2020 – 2024 | PhD in Computer Science Federal University of Uberlândia (UFU), Brazil Advisor: Professor André Ricardo Backes Coadvisor: Professor Bruno Augusto Nassif Travençolo Title: Artificial Intelligence as a Service Architecture: an innovative approach for Computer Vision applications Research Areas: Artificial Intelligence, Computer Vision, Cloud and Edge Computing. |
| 2016 – 2018 | MSc in Computer Science Federal University of Viçosa (UFV), Brazil Advisor: Professor Murilo Coelho Naldi Coadvisor: Professor João Fernando Mari Title: Comparison between convolutional neural networks and preprocessing techniques to classify HEP-2 cells in immunofluorescence images Research Areas: Computer Vision, Artificial Intelligence, Image Processing. |
| 2012 – 2016 | BS in Information Systems Federal University of Viçosa (UFV), Brazil Advisor: Professor João Fernando Mari Title: Segmentation and classification of erythrocytes in microscopy images Research Areas: Computer Vision, Artificial Intelligence, Image Processing. |

Academic Employment

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| 2023 – Current | Federal University of Viçosa (UFV), Brazil Assistant Professor in the Institute of Exacts and Technological Sciences |
| 2018 – 2020 | Temporary Lecturer in the Institute of Exacts and Technological Sciences |

Research Interest

Artificial Intelligence, Computer Vision, Image Processing, Cloud Computing, and Intelligent Networks.

Awards and Honors

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| 2023 | Best Paper Award for “Classifying pests in crop images using deep learning” in Workshop of Computer Vision (WVC 2023) - Brazilian Computer Society. |
| 2021 | 1st place - Hackathon Fortinet at Brazilian Symposium on Computer Networks and Distributed Systems (SBRC) - Brazilian Computer Society. |

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| 2020 | Academic Research Award for “Automatic classification of COVID-19 on X-ray images using deep neural networks” at Federal University of Viçosa. |
| 2019 | Academic Research Award for “Study of Convolutional Neural Networks for objects classification in microscopy images” at Federal University of Viçosa. |
| 2018 | Best Paper Award for “Cell classification using handcrafted features and bag of visual word” in Workshop of Computer Vision (WVC 2018) - Brazilian Computer Society. Honorable Mention for “Classification of HEp-2 cells using Convolutional Neural Networks” at Federal University of Viçosa. |
| 2017 | Best Paper Award for “Voluntary Geographic Information as a data source for basic mapping of small municipalities” in Brazilian Society of Cartography, Geodesy, Photogrammetry and Remote Sensing. |
| 2015 | 2nd place at the Paper Competition - Judicial Police, Associação dos Delegados de Polícia do Estado de São Paulo (ADPESP) and Instituto Brasileiro de Administração do Sistema Judiciário (IBRAJUS). Honorable Mention for paper “Uma iniciativa para atrair as estudantes do ensino médio para a Área de Tecnologia da Informação” in Workshop de Informática na Escola - Brazilian Computer Society. |
| 2014 | Arthur Bernardes Award for research “Meninas++: an initiative to attract women to the area of computing in the Rio Paranaíba city” at Federal University of Viçosa. |
| 2009 | Honorable Mention in Brazilian Mathematical Olympiad of Public Schools (OBMEP). |

Professional Affiliations & Activities

- Brazilian Computer Society (SBC).
- Institute of Electrical and Electronics Engineers (IEEE).

Reviewer for Journals

- Scientific Reports - Nature.
- Applied Artificial Intelligence - Taylor.
- Engineering Applications of Artificial Intelligence - Elsevier.
- Computers in Biology and Medicine - Elsevier.
- IEEE Latin America Transactions.
- Computational and Mathematical Methods in Medicine - Hindawy.
- Computer Methods in Biomechanics and Biomedical Engineering: Imaging & Visualization - Taylor.
- INFOCOMP Journal of Computer Science.

Organizing Committee

- Chair XVI Workshop on Information Systems (WSIS), 2025, Rio Paranaíba, Brazil.
- Chair XIX Workshop on Computer Vision (WVC), 2024, Rio Paranaíba, Brazil.
- Chair XV Workshop on Information Systems (WSIS), 2024, Rio Paranaíba, Brazil.
- Co-Chair XVI Workshop of Thesis and Dissertations of Faculty of Computing at UFU, 2022, Uberlândia, Brazil

TPC Member for Conferences:

- International Conference on Computer Vision Theory and Applications (VISAPP 2025)
- ENIAC in Brazilian Conference on Intelligent Systems (BRACIS 2020).
- Workshop of Information Systems - Federal University of Viçosa (2017-2024).
- Academic Integration Symposium - Federal University of Viçosa (2018, 2019, 2020, 2024).

Teaching Experience

Federal University of Viçosa, Brazil

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| Semester 1/2025 | Programming in C (Undergraduate level, 60 hours) Digital Image Processing (Undergraduate level, 60 hours) |
| Semester 2/2024 | Artificial Intelligence (Undergraduate level, 60 hours) |
| Semester 1/2024 | Programming in C (Undergraduate level, 60 hours) Digital Image Processing (Undergraduate level, 60 hours) |
| Semester 0/2024 (summer) | Pattern Recognition (Undergraduate level, 60 hours) |
| Semester 2/2023 | Artificial Intelligence (Undergraduate level, 60 hours) |
| Semester 1/2023 | Programming in C (Undergraduate level, 60 hours) |

Federal University of Viçosa, Brazil (as temporary lecturer)

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| Semester 1/2020 | Programming in C (Undergraduate level, 60 hours) |
| Semester 0/2020 (summer) | Data Mining (Undergraduate level, 60 hours) |
| Semester 2/2019 | Data Structures and Algorithms (Undergraduate level, 60 hours) Data Processing and Analysis (Undergraduate level, 60 hours) |
| Semester 1/2019 | Programming in C (Undergraduate level, 60 hours) Introduction to Informatics (Undergraduate level, 60 hours) |
| Semester 0/2019 (summer) | Deep Learning for Computer Vision (Undergraduate level, 60 hours) |
| Semester 2/2018 | Data Processing and Analysis (Undergraduate level, 60 hours) Introduction to Informatics (Undergraduate level, 60 hours) |

Contracts, Grants, and Sponsored Research

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| 2025 – current | PIBIC/FAPEMIG Larissa F. Rodrigues Moreira (PI) “Aprendizado Federado para auxiliar no Diagnóstico Médico baseado em imagem” (<i>Federated Learning to support medical image diagnosis</i>). |
| 2024 – current | FAPEMIG Grant #APQ00923-24 Rodrigo Moreira (PI), Larissa F. Rodrigues Moreira (Researcher) “Habilitando a Entrega de Serviços Cognitivos em Redes B5G através de Net-AI-APPs” (<i>Enabling Cognitive Service Delivery in B5G Networks through Net-AI-APPs</i>). |
| 2023 – 2024 | PIBEN/UFV Adriana Z. Martinhago (PI), Larissa F. Rodrigues Moreira (Researcher) “Desenvolvimento de atividades de ensino para a disciplina de Programação utilizando os conceitos da Computação Desplugada” (<i>Development of teaching activities for the Programming course using Unplugged Computing.</i>). |

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| 2022 – 2023 | PIBIC/FAPEMIG João F. Mari (PI), Larissa F. Rodrigues Moreira (Researcher) “Análise de qualidade de grãos de café por meio de imagens digitais e técnicas e aprendizado profundo” (<i>Coffee bean quality analysis through digital imaging and deep learning techniques</i>). |
| 2021 – 2022 | Brazilian Federal Revenue (RFB) Rodrigo Moreira (PI), Larissa F. Rodrigues Moreira (Researcher) “Project Além do Horizonte: Transforming Smuggled Electronic Equipment into Socially Impactful Technologies in Rio Paranaíba, Brazil”. |
| 2020 – 2023 | CPFL and P&D ANEEL (PD-00063-3074/2020) Vítor Tosetto (PI), Larissa F. Rodrigues Moreira (Researcher) “Inspeção Automatizada de Podas em Redes Urbanas utilizando Deep Learning” (<i>Automated Inspection of Pruning in Urban Networks using Deep Learning</i>). |
| 2019 – 2020 | PIBEN/UFV Rachel C. Duque Reis (PI), Larissa F. Rodrigues Moreira (Researcher) “Uso do Arduino nas Aulas Práticas de Programação e Estrutura de Dados” (<i>Use of Arduino in Programming and Data Structure Lectures</i>). |
| 2017 – 2020 | FAPEMIG João F. Mari (PI), Larissa F. Rodrigues Moreira (Researcher) “Estudo de redes neurais convolucionais para classificação de objetos em imagens de microscopia” (<i>Study of convolutional neural networks for object classification in microscopy images</i>). |
| 2014 – 2015 | CNPq Adriana Z. Martinhago (PI), Larissa F. Rodrigues Moreira (Researcher) “Meninas ++: Uma abordagem para atrair mulheres para a área de computação aplicada ao município de Rio Paranaíba” (<i>Meninas ++: An Approach to Attracting Women to the Field of Computing Applied to the Municipality of Rio Paranaíba</i>). |

Invited Talks and Tutorials

- **Artificial Intelligence: Exploring the Frontier of Research and Innovation.** Invited talk at Federal University of Uberlândia, Brazil, December, 2024.
- **Redefining Boundaries: Women, Technology and Digital Transformation.** Invited talk at Federal University of Viçosa, Brazil, October, 2023.
- **Introduction to Web Development - A Practical Approach. Short course.** Larissa F. Rodrigues Moreira. Federal University of Viçosa, Brazil, November, 2022.
- **Cloud Computing and Artificial Intelligence: Estimating Service Level Agreement Compliance in the Cloud. Short course.** Rodrigo Moreira and Larissa F. Rodrigues Moreira. Federal University of Viçosa, Brazil, October, 2020.
- **Introduction to Machine Learning. Short course.** Larissa F. Rodrigues Moreira. Federal University of Viçosa, Brazil, October, 2019.

- **App Inventor. Short course.** Larissa F. Rodrigues Moreira. Federal University of Viçosa, Brazil, November, 2014.
- **Introduction to HTML and CSS. Short course.** Larissa F. Rodrigues Moreira. Federal University of Viçosa, Brazil, July, 2014.

Publications

Journal

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| 2025 | <ol style="list-style-type: none"> 1. De Oliveira Costa, P. L., de Oliveira Costa, T. M., Rodrigues Moreira, L. F., Furtado Pinto Silva, L. H. & Mari, J. F. Classification of Agricultural Pests Through Digital Images Using Deep Learning. <i>Revista de Informática Teórica e Aplicada</i> 32, 18–25. doi:10.22456/2175-2745.143520 (2025). 2. Forattini Jansen, V. <i>et al.</i> Data Augmentation and Convolutional Network Architecture Influence on Distributed Learning. <i>Revista de Informática Teórica e Aplicada</i> 32, 54–60. doi:10.22456/2175-2745.143508 (2025). 3. Magalhães de Mesquita, I., Ferreira Rodrigues Moreira, L., da Silva Nunes, R. & Cavalcante de Paula Júnior, I. A Novel Brazilian Dataset for Automatic Detection of Psyllid Attacks in Guava. <i>Revista de Informática Teórica e Aplicada</i> 32, 151–157. doi:10.22456/2175-2745.143544 (2025). 4. Rodrigues, L. G. F., V. Gomes Barbosa, G., Moreira, R., Rodrigues Moreira, L. F. & Backes, A. R. Medical Image Classification with Privacy: Centralized and Federated Learning Comparison. <i>Revista de Informática Teórica e Aplicada</i> 32, 180–187. doi:10.22456/2175-2745.143478 (2025). 5. Rodrigues Moreira, L. F., Moreira, R., Travençolo, B. A. N. & Backes, A. R. Deep learning based image classification for embedded devices: A systematic review. <i>Neurocomputing</i> 623, 129402. doi:doi.org/10.1016/j.neucom.2025.129402 (2025). 6. Souto de Lima, J. V., Marinho e Silva, R., Moreira, R. & Rodrigues Moreira, L. F. Preprocessing and Optimizer impact on Image-Based Autoimmune Disease Diagnosis. <i>Revista de Informática Teórica e Aplicada</i> 32, 33–39. doi:10.22456/2175-2745.143545 (2025). 7. V. G. Barbosa, G., Ferreira Rodrigues, L. G., Rodrigues Moreira, L. F. & Backes, A. R. Federated Learning in Breast Cancer Diagnosis. <i>Revista de Informática Teórica e Aplicada</i> 32, 173–179. doi:10.22456/2175-2745.143480 (2025). |
| 2024 | <ol style="list-style-type: none"> 8. Bergmann, M. A. <i>et al.</i> An Approach Based on LiDAR and Spherical Images for Automated Vegetation Inspection in Urban Power Distribution Lines. <i>IEEE Access</i> 12, 105119–105130. doi:10.1109/ACCESS.2024.3431466 (2024). 9. Moreira, R., Rodrigues Moreira, L. F. & de Oliveira Silva, F. Brazilian Selic Rate Forecasting with Deep Neural Networks. <i>Computational Economics</i>. doi:10.1007/s10614-024-10597-2 (2024). |
| 2023 | <ol style="list-style-type: none"> 10. Moreira, R., Rodrigues Moreira, L. F. & de Oliveira Silva, F. An intelligent network monitoring approach for online classification of Darknet traffic. <i>Computers and Electrical Engineering</i> 110, 108852 (2023). 11. Rodrigues Moreira, L. F., Moreira, R., Travençolo, B. A. N. & Backes, A. R. An Artificial Intelligence-as-a-Service Architecture for deep learning model embodiment on low-cost devices: A case study of COVID-19 diagnosis. <i>Applied Soft Computing</i> 134, 110014. doi:doi.org/10.1016/j.asoc.2023.110014 (2023). |

- 2022 | 12. Moreira, R., **Rodrigues Moreira, L. F.**, Munhoz, P. L. A., Lopes, E. A. & Ruas, R. A. A. AgroLens: A low-cost and green-friendly Smart Farm Architecture to support real-time leaf disease diagnostics. *Internet of Things* **19**, 100570. doi:doi.org/10.1016/j.iot.2022.100570 (2022).
13. **Rodrigues, L. F.**, Backes, A. R., Travençolo, B. A. N. & de Oliveira, G. M. B. Optimizing a Deep Residual Neural Network with Genetic Algorithm for Acute Lymphoblastic Leukemia Classification. *Journal of Digital Imaging* **35**, 623–637. doi:10.1007/s10278-022-00600-3 (2022).
- 2021 | 14. Rodrigues de Oliveira Neto, R. *et al.* Automatic identification of charcoal origin based on deep learning. en. *Maderas. Ciencia y Tecnologia* **23**. doi:10.4067/s0718-221x2021000100465 (2021).
- 2020 | 15. **Rodrigues, L. F.**, Naldi, M. C. & Mari, J. F. Comparing convolutional neural networks and preprocessing techniques for HEp-2 cell classification in immunofluorescence images. *Computers in Biology and Medicine* **116**, 103542. doi:10.1016/j.combiomed.2019.103542 (2020).
- 2019 | 16. Alves, I. L. R., Silva, W. H., Vinhal Nunes, G., **Rodrigues, L. F.** & Godoi, P. N. A. Aplicação web para apoiar as atividades extensionistas da Escola de Música “O Som do Cerrado”. *Revista UFG* **19**. doi:10.5216/revufg.v19.60606 (2019).
- 2018 | 17. Silva, P. L. *et al.* Bases Cartográficas para Municípios de Pequeno Porte geradas por Informação Geográfica Voluntária. *Revista Brasileira de Cartografia* **70**, 1664–1685. doi:10.14393/rbcv70n5-44572 (2018).
- 2015 | 18. Nunes, M. M., **Rodrigues, L. F.**, Martinhago, A. Z., Soares, L. S. & Reis, R. C. D. Meninas++: uma iniciativa para fomentar a participação feminina na área de computação. *Tecnologias, Sociedade e Conhecimento* **3**, 58–78. doi:10.20396/tsc.v3i1.14475 (2015).

Conference

- 2025 | 19. Mari, J., **Rodrigues Moreira, L. F.**, Silva, L., Escarpinati, M. & Backes, A. *Breast Cancer Image Classification Using Deep Learning and Test-Time Augmentation in Proceedings of the 20th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications - Volume 3: VISAPP* (SciTePress, 2025), 761–768. doi:10.5220/0013359200003912.
20. Reis, M. V. D., **Rodrigues Moreira, L. F.**, Moreira, R. & de Oliveira Silva, F. *Estimating Application Performance in Container-based Environments: A Cross-Domain Monitoring Approach in Advanced Information Networking and Applications* (eds Barolli, L., Hussain, F. & Enokido, T.) (Springer International Publishing, Cham, 2025), 529–541.

- 2024
21. Barbosa, G., **Rodrigues Moreira, L. F.**, de Sousa, P. M., Moreira, R. & Backes, A. *Optimization and Learning Rate Influence on Breast Cancer Image Classification in Proceedings of the 19th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications - Volume 3: VISAPP* (SciTePress, Rome, Italy, 2024), 792–799. doi:10.5220/0012507100003660.
 22. De Mesquita, I. M. et al. *Enabling Water Management System for Agriculture Using a Low Cost Approach in 2024 XIV Brazilian Symposium on Computing Systems Engineering (SBESC)* (IEEE, Niterói/RJ, 2024), 1–6. doi:10.1109/SBESC65055.2024.10771923.
 23. Monteiro, D., Saar, L., **Rodrigues Moreira, L. F.** & Moreira, R. *On Enhancing Network Throughput using Reinforcement Learning in Sliced Testbeds in Anais do XV Workshop de Pesquisa Experimental da Internet do Futuro* (SBC, Niterói/RJ, 2024), 1–7. doi:10.5753/wpeif.2024.2094.
 24. Moreira, R., **Rodrigues Moreira, L. F.**, Carvalho, T. & Silva, F. *Resource Allocation Influence on Application Performance in Sliced Testbeds in Anais do XV Workshop de Pesquisa Experimental da Internet do Futuro* (SBC, Niterói/RJ, 2024), 8–14. doi:10.5753/wpeif.2024.2095.
 25. Oliveira, J. M. et al. *Anomaly Detection Employing a 5G Core Data Analytics Framework in 2024 IEEE 13th International Conference on Cloud Networking (CloudNet) (IEEE CloudNet 2024)* (Rio de Janeiro, Brazil, Nov. 2024), 8.61. doi:10.1109/CloudNet62863.2024.10815754.
 26. **Rodrigues Moreira, L. F.**, Moreira, R., de Oliveira Silva, F. & Backes, A. R. *Towards Cognitive Service Delivery on B5G through AIaaS Architecture in Anais do IV Workshop de Redes 6G* (SBC, Niterói/RJ, 2024), 1–8. doi:10.5753/w6g.2024.3304.
 27. **Rodrigues Moreira, L. F.**, Soares, L. & Martinhago, A. *Inspiring Women in Technology: Educational Pathways and Impact in Anais do XVIII Women in Information Technology* (SBC, Brasília/DF, 2024), 325–330. doi:10.5753/wit.2024.1910.
 28. **Rodrigues Moreira, L. F.** et al. *Enabling Intelligence on edge through an Artificial Intelligence as a Service Architecture in 2024 IEEE 13th International Conference on Cloud Networking (CloudNet) (IEEE CloudNet 2024)* (Rio de Janeiro, Brazil, Nov. 2024), 7.47. doi:10.1109/CloudNet62863.2024.10815777.
 29. **Rodrigues Moreira, L. F.** et al. *Maximizing the Power of Cognitive Services with an AI-as-a-Service Architecture for Seamless Delivery in 2024 IEEE 13th International Conference on Cloud Networking (CloudNet) (IEEE CloudNet 2024)* (Rio de Janeiro, Brazil, Nov. 2024), 7.94. doi:10.1109/CloudNet62863.2024.10815871.
- 2023
30. Cardoso, V., **Rodrigues Moreira, L. F.**, Moreira, R. & Mari, J. F. *Improving Sickle Cell Disease Classification: A Fusion of Conventional Classifiers, Segmented Images, and Convolutional Neural Networks in Anais do XX Encontro Nacional de Inteligência Artificial e Computacional* (SBC, Belo Horizonte/MG, 2023).
 31. Mota, G., Silva, L., **Rodrigues Moreira, L. F.** & Mari, J. *Classifying pests in crop images using deep learning in Anais do XVIII Workshop de Visão Computacional* (SBC, São Bernardo do Campo/SP, 2023), 42–47. doi:10.5753/wvc.2023.27530.
 32. Pereira Neto, R., Sousa, P., **Rodrigues Moreira, L. F.**, God, P. & Mari, J. *Enhancing green coffee quality assessment through deep learning in Anais do XVIII Workshop de Visão Computacional* (SBC, São Bernardo do Campo/SP, 2023), 84–89. doi:10.5753/wvc.2023.27537.

- 2022 | 33. Antico, T., **Rodrigues Moreira, L. F.** & Moreira, R. *Evaluating the Potential of Federated Learning for Maize Leaf Disease Prediction* in *Anais do XIX Encontro Nacional de Inteligência Artificial e Computacional* (SBC, Campinas/SP, 2022), 282–293. doi:10.5753/eniac.2022.227293.
34. Moreira, R., da Cunha, H. G. V. O., **Rodrigues Moreira, L. F.** & Silva, F. d. O. *VINEVI: A Virtualized Network Vision Architecture for Smart Monitoring of Heterogeneous Applications and Infrastructures in Advanced Information Networking and Applications* (eds Barolli, L., Hussain, F. & Enokido, T.) (Springer International Publishing, Cham, 2022), 529–541.
- 2021 | 35. Moreira, R., **Rodrigues, L. F.**, Rosa, P. F., Aguiar, R. L. & Silva, F. d. O. *Enhancing dynamism in management and network slice establishment through deep learning* in *2021 International Conference on Information Networking (ICOIN)* (2021), 321–326. doi:10.1109/ICOIN50884.2021.9333872.
36. Silva, N., Moreira, R., **Rodrigues, L. F.** & e Silva, R. M. *A Low-cost IoT Architecture to support Urban Mobility for Visually Impaired People* in *Anais do XII Workshop de Pesquisa Experimental da Internet do Futuro* (SBC, Uberlândia, 2021), 1–6. doi:10.5753/wpeif.2021.17193.
- 2020 | 37. Da Rocha, E. L., **Rodrigues, L. F.** & Mari, J. F. *Maize leaf disease classification using convolutional neural networks and hyperparameter optimization* in *Anais do XVI Workshop de Visão Computacional* (SBC, Evento Online, 2020), 104–110. doi:10.5753/wvc.2020.13489.
38. Da Silva, M., **Rodrigues, L. F.** & Mari, J. F. *Optimizing data augmentation policies for convolutional neural networks based on classification of sickle cells* in *Anais do XVI Workshop de Visão Computacional* (SBC, Evento Online, 2020), 46–51. doi:10.5753/wvc.2020.13479.
39. Faria, L. C. d., **Rodrigues, L. F.** & Mari, J. F. *Cell classification using handcrafted features and bag of visual words* in *Anais do XIV Workshop de Visão Computacional* (Ilhéus, BA, Brasil, 2020).
40. Moreira, R., **Rodrigues, L. F.**, Rosa, P. & Silva, F. *Improving the network traffic classification using the Packet Vision approach* in *Anais do XVI Workshop de Visão Computacional* (SBC, Evento Online, 2020), 146–151. doi:10.5753/wvc.2020.13496.
41. Moreira, R., **Rodrigues, L. F.**, Rosa, P. F., Aguiar, R. L. & Silva, F. d. O. *Packet Vision: a convolutional neural network approach for network traffic classification* in *2020 33rd SIBGRAPI Conference on Graphics, Patterns and Images (SIBGRAPI)* (2020), 256–263. doi:10.1109/SIBGRAPI51738.2020.00042.
42. Reis, R., **Rodrigues, L. F.**, Reis, C. & Moreira, R. *Fronteira entre o uso da Eletrônica baseada em Hardware Livre e Robótica no Contexto Educacional* in *Anais do XXXI Simpósio Brasileiro de Informática na Educação* (SBC, Online, 2020), 1833–1842. doi:10.5753/cbie.sbie.2020.1833.
43. Rodrigues, L., **Rodrigues, L. F.**, da Silva, D. & Mari, J. F. *Evaluating Convolutional Neural Networks for COVID-19 classification in chest X-ray images* in *Anais do XVI Workshop de Visão Computacional* (SBC, Evento Online, 2020), 52–57. doi:10.5753/wvc.2020.13480.
- 2019 | 44. Reis, R., **Rodrigues, L. F.**, Munhoz, P., Lyra, K. & Isotani, S. *Robótica Educacional como Método Principal de Ensino em Práticas de Programação* in *Anais do XXV Workshop de Informática na Escola* (SBC, Brasília, 2019), 1229–1233. doi:10.5753/cbie.wie.2019.1229.

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| 2017 | <p>45. Loti, L. B. et al. <i>Informação geográfica voluntária como fonte de dados para cartografia básica de municípios de pequeno porte</i>. in XXVII Congresso Brasileiro de Cartografia (Rio de Janeiro, RJ, Brasil, 2017).</p> <p>46. Rodrigues, L. F., Naldi, M. C. & Mari, J. F. <i>Exploiting Convolutional Neural Networks and Preprocessing Techniques for HEp-2 Cell Classification in Immunofluorescence Images</i> in 2017 30th SIBGRAPI Conference on Graphics, Patterns and Images (SIBGRAPI) (2017), 170–177. doi:10.1109/SIBGRAPI.2017.29.</p> <p>47. Rodrigues, L. F., Naldi, M. C. & Mari, J. F. <i>HEp-2 Cell Image Classification Based on Convolutional Neural Networks</i> in 2017 Workshop of Computer Vision (WVC) (2017), 13–18. doi:10.1109/WVC.2017.00010.</p> |
| 2016 | <p>48. Rodrigues, L. F., Naldi, M. C. & Mari, J. F. <i>Morphological analysis and classification of erythrocytes in microscopy images</i> in Workshop of Computer Vision (WVC) (Campo Grande, Brazil, 2016).</p> <p>49. Rodrigues, L. F., Silva, J. H., Gondim, P. H. C. C. & Mari, J. F. <i>Leukocytes classification in microscopy images for acute lymphoblastic leukemia identification</i> in Workshop of Computer Vision (WVC) (Campo Grande, Brazil, 2016).</p> |
| 2015 | <p>50. Nunes, M., Rodrigues, L. F., Martinhago, A., Soares, L. & Reis, R. <i>Uma iniciativa para atrair as estudantes do ensino médio para a Área de Tecnologia da Informação</i> in Anais do XXI Workshop de Informática na Escola (SBC, Maceió, 2015), 425–434. doi:10.5753/cbie.wie.2015.425.</p> |

Students Supervision

Current MSc Student

- Gleidson V. G. Barbosa (Since 2024, Co-advising with André Backes, Federal University of Uberlândia, Brazil)

Current Undergraduate Students

- Diogo Pedroso Pereira
- Anthony Enzo Gomes Ribeiro
- Victor Gonçalves Vieira

Undergraduate Students

- Luiz Felipe de Castro Vilas Boas (2024)
- João Vítor Souto de Lima (2024)
- Thiago Vieira Machado (2023) - Co-advising with Bruno Travençolo, Federal University of Uberlândia, Brazil.
- Erik Lucas da Rocha (2020)
- Danilo Ferreira da Silva (2019)