

# LUCAS FERREIRA PAIVA

Motivated data scientist with 3+ years of experience. Passionate about building models that fix problems. I believe that a diversified training goes beyond technical knowledge, providing a more humanistic and integral vision.

## EDUCATION

- current  
|  
2020
- **Master in Computer Science**  
Department of Informatics – Center for Exact and Technological Sciences – Federal University of Viçosa  
Viçosa, MG, Brazil
    - CAPES Scholarship 2020-2022
    - **Research project:** Automatic Rhythm Estimation to Assist the Deaf in Learning Forró Dance
- current  
|  
2022
- **Specialization in Data Science for the Aeronautical Industry**  
Informatics Center – Federal University of Pernambuco  
Recife, PE, Brazil
    - Fade-UFPE Scholarship 2022-current
- 2020  
|  
2014
- **Bachelor degree in Electrical Engineering**  
Department of Electrical Engineering – Federal University of Viçosa  
Viçosa, MG, Brazil
    - FUNARBEN Scholarship 2017-2018 and 2018-2019.
    - **Undergraduate Thesis:** Forró musical bar estimation using multilayer perceptron network. **Advisor:** Rodolfo Neves.

## SELECTED PROJECTS

- current  
|  
2019
- **Music recognition tool to assist in the teaching and practice of forró for Deaf people**  
Federal University of Viçosa  
Viçosa, MG, Brazil
- 2022  
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2020
- **Use of artificial intelligence for scientific competitions and dissemination: "NIASIA" Team**  
Department of Electrical Engineering – Federal University of Viçosa  
Viçosa, MG, Brazil
    - A multidisciplinary team that participates in AI competitions on the Kaggle platform.
- 2019  
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2016
- **Towards an Effective Learning: Evaluating the efficiency of alternative strategies in ecology teaching**  
Federal University of Viçosa  
Viçosa, MG, Brazil



## Contact



## Technical Skills

- Quantitative Data Analysis
- Machine Learning
- Programming
- Statistics
- Data Visualization

## Code Skills

- Python
- Matlab
- LaTeX
- Markdown
- Git
- GitHub

## Soft Skills

- Teamwork
- Responsibility
- Critical Thinking
- Collaboration
- Research
- Time-Management

## Languages

- Portuguese
- English
- Spanish

## Hobbies and Interests

- Volleyball
- Gardening
- Dancing
- Volunteering
- Repairing Things

View this CV online on <https://lucaspaivacv.netlify.app/>



## TEACHING EXPERIENCE

- 2022 ● Teaching Assistant (TA) - Course: Undergraduate Thesis Project - Bachelor Program in Electrical Engineering  
Department of Electrical Engineering – Federal University of Viçosa  
Viçosa, MG, Brazil
- 2021 ● Teaching Assistant (TA) - Course: Signals and Systems Electrical Machines II - Bachelor Program in Electrical Engineering  
Department of Electrical Engineering – Federal University of Viçosa  
Viçosa, MG, Brazil



## SELECTED ORAL COMMUNICATIONS

- 2021 ● Uso de aumento de dados em modelos convolucionais de classificação de sons ambientes: Uma breve revisão  
Simpósio de Integração Acadêmica Online
- 2020 ● Uso de inteligência artificial para estimar a duração do compasso de músicas de forró  
Simpósio de Integração Acadêmica Online
- 2019 ● Ferramenta de Sinalização do Andamento de Músicas de Forró para Surdos  
Setembro azul sobre a inserção no mundo acadêmico: e os surdos, onde estão?  
Viçosa, MG, Brazil



## SCIENTIFIC PUBLICATIONS

- 2022 ● Towards a device for helping deaf people to dance: estimation of forro bar length using artificial neural network  
IEEE Latin America Transactions  
• Manuscript detailing a model that was able to estimate the length of the forro music bar length, even with real noise.  
• DOI: [10.1109/TLA.2022.9757740](https://doi.org/10.1109/TLA.2022.9757740)
- 2021 ● FluxPRT: An Adaptable and Extensible Proteomics LIMS  
Advances in Bioinformatics and Computational Biology  
• DOI: [10.1007/978-3-030-91814-9\\_12](https://doi.org/10.1007/978-3-030-91814-9_12)
- 2020 ● Estimação do compasso musical do forró utilizando rede perceptron multicamadas  
XXIII Brazilian Conference on Automation (CBA)  
• Manuscript detailing a estimation of the bar lenght in forró songs using a multilayer perceptron network.  
• DOI: [10.48011/asba.v2i1.1331](https://doi.org/10.48011/asba.v2i1.1331)

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Source code: [github.com/lucas-fpaiva/resumeL](https://github.com/lucas-fpaiva/resumeL).

Last updated on 2022-07-15.