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:** Estimação do compasso musical do forró utilizando rede perceptron multicamadas. **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 | 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 | 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 | Git | GitHub | Markdown

Soft Skills

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

Languages

Portuguese | English | Spanish

Hobbies and Interests

Volleyball | Gardening | Dancing | Volunteering | Repairing Things

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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

2021 **FluxPRT: An Adaptable and Extensible Proteomics LIMS**

Advances in Bioinformatics and Computational Biology

- DOI: 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

*Made w/ **pagedown** and **datadrivencv**.*

Source code: github.com/lucas-fpaiva/resumeL.

Last updated on 2022-07-15.