Lukas Müller

Electrical Engineering, Universidade Federal do Rio de Janeiro (UFRJ)

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📊 Skills

Programming Languages | Python, Golang, C/C++, C#, SQL

Languages | Portuguese (Native), English (Fluent), French (Basic)

💼 Experience

XP Inc. | Analyst II - Treasury   September 2021 -
- Development of pricing and risk management tools

JGP Asset Management | Data Engineer Intern   January 2021 - September 2021
- Developed studies about credit market in Brazil.
- Assist in the development of pipelines to acquire, process and store data (ETLs).
- Developed methods for detecting anomalies in the data collected and in the company's software.

Signal Processing Laboratory (LPS - UFRJ) | Researcher   August 2020 - September 2021
- Training CNNs (Convolutional Neural Networks) to diagnose tuberculosis with x-ray images using Keras.
- This project aims to solve a public health issue in the socioeconomic context of the BRICS countries.

🧒 Volunteer Experience

Pré-Vestibular Samora Machel (UFRJ) | Teacher   March 2019 -
- Teacher of high school classes, preparing students for college contests at the end of high school.
- The pre-university course contemplates **600** low-income students who live in the surroundings of Ilha do Fundão in Rio de Janeiro.

🚀 Projects

Liteboard.io⚲ⓞ   **Tech Stack** | JavaScript, HTML, CSS
- Liteboard is powered by WebRTC and uses the Janus implementation of a Selective Forwarding Unit (SFU) to allow multiple participants per lecture while ensuring the lowest latency available on browsers. We host our own TURN server to guarantee support for users in any kind of network.
- Liteboard is a free, browser-based lecturing platform for anyone who wants to quickly setup a real-like classroom with State-of-the-Art drawing tools and webcam/audio broadcasts.

Futurus Infância ⚲
- Futurus Infância is a project that emerged from the University Challenge for Early Childhood, organized by ANUP, in partnership with the Bernard Van Leer Foundation. The goal is to develop an application that locates users, maps and indicates institutions that offer sought services and sends audios with information based on scientific knowledge about children's health, care, development and functioning of the Unified Health System.

🎓 Education

Universidade Federal do Rio de Janeiro (UFRJ) | Bachelor of Electrical Engineering   February 2018 - December 2022

Physics 3 Teaching Assistant (Electricity and Magnetism) in the second student period of 2019;

Top 5% student - Calculus 1 Award;