

Contact

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www.linkedin.com/in/mizerkowski
(LinkedIn)
mizerkowski.com.br/ (Blog)
github.com/CaioMizerkowski
(Portfolio)

Top Skills

Python
OpenCV
C++

Languages

Portuguese (Native or Bilingual)
English (Professional Working)

Certifications

Oratória parte 1: Compartilhe ideias e histórias
JavaScript: conhecendo o Browser e padrões de projeto
Comunicação e Oratória
De Dev a Tech Lead: Mentoria que te leva pro próximo nível!
HTTP: Entendendo a web por baixo dos panos

Honors-Awards

Professor Plínio Alves Monteiro Tourinho

Publications

Problema Inverso Aplicado na Validação de Pré-distorcedores Digitais para Amplificadores de Potência.

Caio Mizerkowski

Data Science | Machine Learning | Python | Numpy | PyTorch |
OpenCV | SQL
Curitiba, Paraná, Brazil

Summary

I am a Bachelor in Electrical Engineering graduated from UFPR, with 3 years of Undergraduate Research and participation in projects in the field of computational modeling using neural networks and models such as Volterra series.

I am currently working as a Data Scientist, specializing in Artificial Intelligence and Machine Learning, with a focus on image processing. I design neural networks to address traffic-related challenges.

I have experience as a Data Engineer, overseeing interns, creating dashboards using Power BI, developing pipelines, and analyzing company data.

Experience

Fiscal Tecnologia e Automação
Data Scientist
November 2022 - Present (2 years)
Curitiba, Paraná, Brazil

I work in the research and development of solutions for monitoring vehicle traffic, using computer vision and machine learning methods. I deal daily with libraries such as PyTorch, OpenCV, CatBoost, and scikit-learn.

Everywhere Analytics
4 years 3 months

Data Engineer
June 2019 - October 2022 (3 years 5 months)
Curitiba, Paraná, Brasil

I worked on crafting queries and procedures for data processing in Azure SQL Server, leveraging Azure Data Factory for orchestrating pipelines and managing data flows. I performed maintenance and created stored procedures and functions to meet the diverse demands of clients and projects. This

included the development of complex pipelines, from data collection to client access. I utilized PowerBI to design and publish dashboards, extracting metrics visually for a comprehensive understanding of people flow behavior through collected data.

In addition to my technical roles, I took on a leadership role by managing interns in the development of new projects. I shared my knowledge, ensuring their effective integration into the workflow.

Intern

August 2018 - May 2019 (10 months)

Curitiba, Paraná, Brasil

During my time as an intern at the company, I developed skills in communication, teamwork, and project participation. I also contributed to fostering a culture of serious and efficient work.

I worked on optimizing and structuring queries in MySQL and Azure SQL databases, in addition to assisting in the migration of data from MySQL to Azure SQL. I took charge of creating internal and client reports using the Microsoft Office suite, particularly Excel. I also played a role in automating these reports and implementing PowerBI as a dashboard tool for clients.

Furthermore, I maintained and developed scripts in Shell and Python for data cleaning and preparation for insertion into SQL databases. I also dealt with scripting for collecting metrics on the operation of devices.

I assisted in loading custom firmware onto IoT devices and preparing these devices for shipment to clients, including the internal configuration of OpenWRT firmware and making adjustments for new projects.

GICS - UFPR

3 years

Undergraduate Researcher

August 2019 - July 2020 (1 year)

Curitiba, Paraná, Brasil

The research project "Algoritmo iterativo baseado no problema inverso para a identificação dos coeficientes de uma cascata de polinômios com memória" under the guidance of Professor Eduardo Gonçalves de Lima

Undergraduate Researcher

August 2018 - July 2019 (1 year)

Curitiba, Paraná, Brasil

The research project "Identificação e validação de linearizadores para amplificadores de potência de banda dupla concorrente" under the guidance of Professor Eduardo Gonçalves de Lima

Undergraduate Researcher

August 2017 - July 2018 (1 year)

Curitiba, Paraná, Brasil

The research project "Metodologia para a validação experimental de pré-distorcedores digitais baseados em redes neurais," under the guidance of Professor Eduardo Gonçalves de Lima, resulted in a publication in ICCEEg

Education

Federal University of Paraná

Bachelor, Electrical and Electronics Engineering · (2016 - 2023)