Matheus Silva

781-475-0513 | matheus.ptc.mg@gmail.com | linkedin.com/in/matheusdelimasilva/ | matheuslsilva.com/

PROFESSIONAL SUMMARY

Data Scientist experienced in building end-to-end solutions from backend architecture to frontend data visualization. Robust background in developing and implementing machine learning models for time-series analysis and natural language processing. Proven ability to collaborate with cross-functional teams to drive data-driven decision-making.

EDUCATION

Tufts University Medford, MA
Bachelor of Science in Computer Engineering and Physics, Cum Laude *Sept. 2020 – May 2024*

EXPERIENCE

Data Scientist Jun. 2024 – Present
Applied Materials *Gloucester, MA*

- Implemented end-to-end machine learning solutions, leveraging ensemble models for time-series predictions and natural language processing, reducing customer's downtime by 3%.
- Optimized backend infrastructure using SQL databases, improving data acquisition and preprocessing speed by 80% while handling large volumes of data.
- Developed dynamic and user-friendly dashboards in Julia for visualizing time-series predictions and historical data, streamlining workflows for multiple global customers.
- Collaborated as a developer with engineering teams to create software solutions addressing scientific and engineering challenges, enhancing problem-solving capabilities through data-driven insights.

Data Science Analyst Jul. 2022 – Aug. 2023
Bravium *São Paulo, SP*

- Designed user-friendly GUIs for analyzing pricing data and automate operational tasks.
- Built automation and web scraping tools to analyze market prices for 18,000 products across seven e-commerce platforms.
- Successfully delivered customized software products for both commercial and internal strategic applications.

Networks and Infrastructure Intern Sep. 2020 – Mar. 2021
BTG Pactual *São Paulo, SP*

- Developed web applications for real-time network monitoring using Python and REST API integrations.
- Collaborated with diverse teams to align application development with network specifications.
- Conducted rigorous testing of tools and applications, troubleshooting and resolving issues effectively.

PROJECTS

Tufts Robotics Sep. 2021 – May. 2024
Tufts University *Medford, MA*

- Oversaw a $50,000 annual budget for club activities and projects.
- Mentored groups of students for participation in competitions involving image processing and machine learning.

Image Processing Research Jan. 2018 – Jan. 2019
IFTM *Patrocinio, Brazil*

- Acted as a lead researcher in a state-funded project focusing on autonomous driving robots.
- Designed robots with advanced image processing and AI capabilities using reinforcement learning.

SKILLS

Skills: Machine Learning, Natural Language Processing, Data Visualization, Software Development, Database Architecture.
Programming Languages: Julia, Python, C/C++/
Libraries: Scikit, Flux, Pandas, NumPy, Matplotlib, PyTorch
Languages: English, Portuguese, Spanish