

MURILLO VENTURA MENDONÇA

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EXPERIENCE

Embraer S.A.

Intern

November 2021 – July 2023

Hybrid - São José dos Campos, SP

- The activities during the internship involve the maintenance and implementation of various web applications, making up a portal to facilitate the process and tools for other sectors of the company. Maintenance of databases, ColdFusion code base, using a framework based on styled components.
- Technologies: ColdFusion, Oracle DB, Tortoise SVN, Windows server

PROJECTS

GASS-Metal

Scientific Article, Unifei

May 2022

Minas Gerais, Brazil

- This project aims at adapting and reshaping the GASS method for searching catalytic sites to search for metal binding sites. Templates based on the metal site data from M-CSA and MetalPDB were created for all metal ions found in proteins, and the parameters of the parallel genetic algorithm on which GASS operates were optimized for the new templates. The method was then made public using the web-server gassmetal.unifei.edu.br and an article was drafted and published in the digital journal Briefings in Bioinformatics.
- Technologies: C++, Python, Flask, Threads

C++ Portfolio Site

Personal

October 2023 - Ongoing

- A website designed to be my portfolio, presenting my projects, experience and contact. It is being fully developed in the Drogon Framework, to showcase my experience with C++ and ability to learn new things everyday. I am using .csp files for the server rendering of the pages you are seeing, and a MariaDB database that stores the projects information and my resume.
- Technologies: C++, Web, Drogon, SQL

EDUCATION

Bachelor's Degree in Computer Engineering

Federal University of Itajubá - Itabira

Feb 2018 – Jan 2024

LANGUAGES

Portuguese
English
Spanish



SOFTSKILLS

Quick Thinker Learning Potential
Teamwork Organization Flexibility
Professionalism Responsibility
Multitasking Works Under Pressure

SKILLS

Development

C++ JAVA R SQL CUDA Git
LibGDX Metasploit LaTeX
JavaScript TypeScript Node MPI
Threads Python Flask MQL5

Development Tools – DB

SQL MySQL PostgreSQL SQLite
MongoDB TypeORM MariaDB

Development Tools – IDE

Visual Studio VS Code IntelliJ
CodeBlocks Eclipse Android Studio
VIM RStudio Tex Studio
MetaEditor Unreal Editor

CERTIFICATES

Advanced English - Certificate Issued in 2017

Excel Language School

Jun 2017 – No Expiration Date

CUDA Programming Masterclass - Certificate Issued in 2020

Udemy

May 2020 – No Expiration Date