JOÃO PEDRO
CARVALHO MOREIRA

PROFILE

Electrical engineer with experience in the area of scientific development and programming. He works mainly in software creation, experiments, systems modeling, analysis and data acquisition. Prioritization of use with organization and relationship practices to optimize work.

CONTACT

Phone: (31) 97302-6032
E-mail: mcjpedro@gmail.com
Address: Belo Horizonte - MG, Brazil
www.linkedin.com
www.github.com

SKILLS

- Ease of adaptation to new demands
- Application of scientific methodology
- Public Speaking and Communication
- Creativity and organization

KNOWLEDGES

- Programming: Python, R, Matlab, C++, VHDL, Git.
- Softwares: Office, AutoCAD, Fusion 360, VS Code.
- Development: XP, Kanban, Scrum, SOLID, XP.
- Operational systems: Windows, Linux and macOS.
- Intuitive interface creation and design.
- Communication protocols (UART, SPI).

ACHIEVEMENTS

- Three scientific articles published.
- Participation in congresses.
- Article reviewer (SBAI 2019).
- Scholarship holder in two scientific initiations.

WORK HISTORY

INTERNSHIP
BOZEL BRAZIL S.A (01/2020 - 05/2020)
- Management and production of industrial electrical plants and diagrams.
- Monitoring of electrical installations and maintenance.
- Organization and maintenance of the workplace in accordance with the 5S system.

ACADEMIC EDUCATION

MASTER'S IN ELECTRICAL ENGINEERING
UNIVERSIDADE FEDERAL DE MINAS GERAIS (2021-CURRENT)
- Member of the Neurosciences Nucleus (NNC).
- Currently developing a signal acquisition system based on Raspberry Pi microcomputers, Arduino, FPGAs and SPI communication.

BACHELOR IN ELECTRICAL ENGINEERING
UNIVERSIDADE FEDERAL DE SÃO JOÃO DEL REI (2015-2021)
- Scientific initiation scholarship: electrical machine failure prediction using MATLAB.
- Scientific initiation scholarship: modeling of the dynamics of electrical machines and frequency inverters.
- Monitor of electronics subjects (volunteer) and electrical machines.

HIGH SCHOOL
COLÉGIO MILITAR DE BELO HORIZONTE (2013-2015)
- Admitted to the 2012/2013 public tender.
- Member of the football team.

COMPLEMENTARY TRAINING

DATA SCIENCE (~160h)
JOHNS HOPKINS UNIVERSITY - COURSERA (2020)
- Basics in R.
- Introduction to data analysis.

EXCEL ESSENCIAL (10h)
SIGMA TREINAMENTOS (2019)
- Excel basics.

MODERN SOFTWARE ENGENEERING (48h)
UNIVERSIDADE FEDERAL DE MINAS GERAIS (2022)
- Agile Software Development.
- Software architecture and design.
- Software test and refactoring