

João Gabriel Miranda

Lead Researcher in Mechanical Engineer



About me

An uninterrupted person, always available for discoveries and learning, open to paradigm shifts, hard-working, adaptable, and nomadic. Have great communication skills and a desire to start new roles in research and development. I am currently looking for an opportunity to utilize my technical skills in a challenging working environment.

personal

- ✓ Brazilian
- ✓ 37 years old
- ✓ Driver's Licence: A and B
- ✓ 100% Available for Travel
- ✓ Uberlândia/MG

Areas of specialization

- Vibration Analysis
- Acoustics
- Active Noise Control
- Rotor Dynamics
- 3D Drawings
- Instrumentation

Interests

Acting in the industrial area as an engineer (Research Development, Automation Processes or Maintenance), with a focus on supervision and leadership of teams.

Languages

Portuguese Native
English
Spanish

Hobbies



@jgmiranda@ufu.br

in JGMiranda

Q JGMiranda66

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PROFESSIONAL EXPERIENCE

2021–Current

Lead Researcher - Edge Analytics Project

LEAD · Uberlândia

Content: • Project management for the Petrobras Edge Analytics project. • Budget analysis • Personnel management, purchase of supplies, and schedule management. • Application of artificial intelligence technique in machine data capture to store abnormal data on servers. • Integration of areas such as: artificial intelligence, software, mechanical vibrations, and rotating machines. • Integration with customer: weekly meetings with customer director's and personnel. • On-site prototype implementation (oil refinery), software and hardware validation.



2020–2021

Researcher - Edge Analytics Project

LEAD · Uberlândia

Content: • Data Science using Machine Learning - Statistics • Presentations of case studies in the laboratory and experiments with industrial equipment.



2014–2019

University Professor

PITAGORAS · Uberlândia

Content: Teaching several subjects for Engineerings.



2009–2011

DB2 Support

IBM · Hortolândia

DB2 support for Mainframe at IBM



2006–2009

Application Engineer

GE ENERGY · Campinas

Intern as Application Engineer - Proposal Dispatcher



2007–2009

Mainframe Ops

GTCON/IBM · Hortolândia

Mainframe ops third shift



DEGREES

2018

PhD in Mechanical Engineer



CERTIFIED · Universidade Federal de Uberlândia

2013

Master in Mechanical Engineer



CERTIFIED · Universidade Federal de Uberlândia

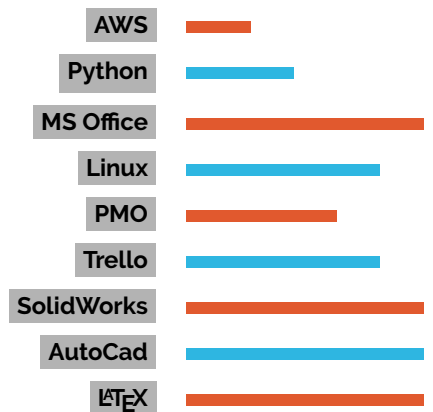
2009

Bachelor in Automation and Control



CERTIFIED · Metrôcamp

PROGRAMMING



CERTIFICATES & GRANTS

2022

Introduction to Amazon Quicksight Credential (ID ID: E-VZ7P8)

2022

PostgreSQL Security Credential ID ID: (E-19Q7P1)

PUBLICATIONS

2022

Optimization System to Minimize Exposure to Occupational Noise, Archives of Acoustics, Vol. 47, No. 1, pp. 15–23 (2022)

2019

Active noise control in acoustic shutters. APPLIED ACOUSTICS, v. 152, p. 41–46, 2019.