

Matheus Bitarões de Novaes

Brazilian, single, 28 years old
Av João Pinheiro, 607, ap 405, MG Brazil

matheusbitaraesdenovaes@gmail.com
+55 31 994851781

Academic Background

- **UFMG - Universidade Federal de Minas Gerais** Masters in Computational Intelligence
Belo Horizonte, Brazil 2020 - now
 - Researching the use of machine learning (GANs) combined with evolutionary computing algorithms for generating a music composition and improvisation system called AI Hero.
- **UFMG - Universidade Federal de Minas Gerais** Engineering Bachelor Degree
Belo Horizonte, Brazil 2011 - 2018
 - Systems Engineering Bachelor Degree
 - Bachelor Thesis presented and achieved a grade of 95/100. It was about making a drum using sound and image processing.
- **QUT - Queensland University of Technology** Interchange Engineering Program
Brisbane, Australia 2015 - 2015
 - 10 months studying Engineering in Australia by program Science Without Borders.
 - Learned programming languages such as python, c# e SQL.
 - Role of Project Manager in a team with 8 students with the objective of developing a UAV (unmanned aerial vehicle) using Systems Engineering and project managing methods. At the end of the project, the UAV could perform with 90% of the objectives with success. Demonstration video available in: [this link](#).
- **CEFET MG - Centro Federal de Educação Tecnológica** High School and Technician
Belo Horizonte, Brazil 2008 - 2010
 - Mechatronics Technician.

Professional Experience

- Americanas SA** Back End Software Engineer
São Paulo (remote), Brazil 2021 - today
- Responsive for implementing solutions for enhancing user experience in Americanas' search engine. Americanas S.A is one of the biggest retail companies in South America
 - working with following technologies: Java, Springboot, Python, Kubernetes, Docker, Terraform, Solr, Gitlab, AWS Cloud, Google Cloud
- Omnilogic SA** Full Stack Developer - Squad Lead
Belo Horizonte, Brazil 2019 - 2021
- FullStack activities, working with Java, Javascript, React, GraphQL, Elasticsearch, Docker, Kubernetes, Scala, SQL, MongoDB
 - Responsive for technically leading a squad aimed to maintain and evolve company products
- FCA - Fiat Chrysler Automobiles** Global Innovation Analyst
Betim, Brazil 2018 - 2019
- Approval on concurred internal process.

- Responsible for researching, planning, developing, constructing prototypes and Proof-of-Concepts of innovative products according the company global innovation plan.

FCA - Fiat Chrysler Automobiles

Analista Júnior Mopar

Betim, Brasil

2016 - 2018

- Invited to come back to the company due to the good performance achieved on last experience at Fiat.
- Participation on global integration projects and global vehicles developments (on spare parts infrastructure standpoint).
- Important participation on Argentina integration project, which was successfully integrated into LATAM Mopar systems
- Responsible for LATAM Spare Parts Catalog readiness dos.
- Responsible for the population and maintenance of Brazil's accessories catalog.
- Responsible for the Spare Parts Catalog technical assistance for all FCA vehicles built in other regions and sold in Brazil.

ENACOM

Internship

Belo Horizonte, Brazil

2016 - 2016

- Internship working with Matlab implementations in the field of game theory and optimization.

• **ARCAA - Australian Research Centre for Aerospace Automation**

Work Experience

Brisbane, Australia

2015 - 2015

- Thermal cameras fine-tuning for health analysis on crops.
- Research and development of algorithms (in Matlab) for recognition of wildlife in thermal imaging.

• **Fiat Automóveis**

Junior Analyst

Betim, Brazil

2012 - 2014

- Participation on global projects for FIAT - CHRYSLER integration.
- Responsible for the Spare Parts Catalog of models Fiat 500 and Freemont.
- Responsible for the Spare Parts Catalog regarding exhaust, cold start and air filter of all FIAT vehicles.

• **Metalisa**

Technician Work Experience

Belo Horizonte, Brazil

2011 - 2012

- Worked with project development and maintenance.

Abilities and Competencies

- Communication
 - Performed presentations in english during Australia's interchange program.
 - Participated on presentations to journalists while working in FCA's Global Innovation Team.
- Foreign Languages
 - English: Fluent.
 - Italian: Basic (6-month course on FIAT and a business trip to Italy for a workshop.

- International Experience
 - Business trips for workshops in Argentina and Italy for FCA on 2017.
- Other Technical Competencies
 - C, C++, C#, Python, VBA, R, Matlab, Java, Javascript, React, Gatsby, GraphQL, Elasticsearch, Solr, Docker, Kubernetes, Scala, SQL, MongoDB, Azure Cloud, AWS Cloud and Google Cloud
 - Excel Advanced: Dynamic tables, Data analysis, VBA programming.
 - Easy learning on new programming languages.
 - Machine learning and Computer Vision.