

Julia Gontijo Lopes

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EDUCATION/COURSES

Pontifical Catholic University of Minas Gerais - (PUC Minas)

2020/01 - Now

- Computer Science
- Academic prominence in Computer Science (first year - 2020)

University of California - Santa Bárbara

2018/07

- Entrepreneurship and Innovation course in partnership with startups and technology companies.
- Sketch of an app that analyses a photo taken by the user of a product, and recommends them stores that sells the product in matter.

XI Summer School - PUC Minas

2020/07

- Introduction course to GitHub and LaTeX.

Bernoulli High School - High School 2019

Hanyang University of South Korea - Ansan, South Korea

2022/07 - 2022/12

- Student exchange program of one semester to South Korea, continuing studies in Computer Science
- Acquired technical skills in network security, R language, algorithms, basics on the biomedical field and embedded software design
- Participated in group projects and presentations, enhancing my teamwork and communication skills
- Gained valuable experience on working with people from different cultures while respecting their customs and admiring their diversity.

Stanford University Online - "Supervised Machine Learning: Regression and Classification"

2024/01

- Online course on supervised machine learning, taught by Professor Andrew Ng. Focus on regression and classification algorithms. Course promoted by the Coursera platform and authorized by Stanford University and DeepLearning.AI.
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WORK EXPERIENCE

Scientific Research PUC Minas - Urban Mobility

2021/03 - 2022/02

- Research advised by teacher Humberto Torres Marques Neto
- Walkability calculation in the streets of Belo Horizonte city, according to walking profiles.

Teaching Assistant - Algorithm and Data Structure III

2021/07 - 2021/12

Founder - Maju Beachwear

2020/10 - 2021/12

- Founder of woman's clothing online store.
- Profit over R\$30000,00 in the first 3 months of operation.

Software Engineering Internship (Solutions Architecture) - Bwtech

2022/04 - 2022/07 and 2023/02 - 2023/09

- Technology company focused on developing tools for monitoring and optimization of mobile networks
 - Development of a more scalable and optimized architecture for Netchart PM, a cloud based software that provides analytics and dashboards for monitoring and analyzing MNOs Network performance
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SKILLS

- Development in .NET, Apache Spark, Java, C, C#, C++, HTML, CSS, Python, R, Scala and SQL
 - Fluent in English (TOEFL 100/120) - 2019/09
 - Use of model Scrum Master during academic projects.
 - Communication and collaboration with people from different cultures and languages
 - Continuous Feedback Culture with OKR framework
 - DDD (Domain-Driven-Design) and Clean Code practices
 - Unit Test and Integration Test creation and maintenance
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PROJECTS

Discount Leverage - ABI Academy Hack Hackathon AMBEV (3o place award)

2021/11

- Discount recommendation System customized to buyer profiles. Application carried out on e-commerce.
- Development of a hybrid system in Python language. Grouping customers into profiles using KMeans. Multi-armed bandits algorithm learns to choose discounts for each profile according to the reward history obtained with the concession of these discounts.

Ocean Data - NASA Space Apps Challenge Hackathon

2021/10

- System to backtrack the path taken by a plastic in the ocean.
- Development of a system in Python language. Training neural networks to learn the path that the object found on a beach took to reach the location, using flow pattern data from a GPS buoy in the ocean.