

# JOÃO ANTÓNIO

A Data Scientist with a background in Physics, Mathematics and Computer sciences. Driven self-starter, fast learner and creative problem solver who is constantly endeavouring for a good challenge a fresh project or a new learning opportunity.



## CONTACT

✉ joaoantant@gmail.com  
☎ +351 919 192 886  
📍 Aveiro, Portugal  
📧 @JoaoAnt  
🏠 JoaoAnt  
📱 JoaoAntAnt  
📅 April 10, 1996  
🚗 B, B1

## SKILLS

### Programming

Python ●●●●●  
Matlab ●●●●●  
Gnu Octave ●●●●●  
HTML/CSS ●●●●●  
LaTeX ●●●●●  
R ●●●●●  
Bash ●●●●●  
SQL ●●●●●  
JavaScript ●●●●●  
React Js ●●●●●

### Software & Tools

Data handling/analysis ●●●●●  
[numpy, scipy, pandas, ...]  
Visualisation ●●●●●  
[matplotlib, seaborn, ...]  
GUI Developer ●●●●●  
[tkinter, pyinstaller, ...]  
SQL Database ●●●●●  
[sqlite, mysql, postgresql, ...]  
Docker ●●●●●  
Git Control & Cloud ●●●●●  
[github, heroku, ...]  
BackEnd ●●●●●  
[fastapi, django, flask, ...]  
Machine Learning ●●●●●  
[keras, scikit-learn, tensorflow, ...]  
FrontEnd ●●●●●  
[react, jinja2, streamlit, ...]  
NLP ●●●●●

### Languages

Portuguese ●●●●●  
English ●●●●●  
Spanish ●●●●●  
Italian ●●●●●

## WORK HISTORY

📅 Oct 2020 - Now  
📍 Captova Automation's Inc, Canada Data Scientist  
Data extraction and processing from any document, in multiple languages using image processing, OCR, PDF data extraction, and machine learning.  
Results showed in a TKinter GUI and on a fast API + React + Docker website.

## EDUCATION

📅 2014 - 2018  
📍 Universidade de Aveiro, Portugal Bachelor in Physics  
Final Project: **A One Dimensional Model of Opinion Dynamics with Bounded Confidence** - Matlab, Multi variable curve fitting app, complex systems, networks, simulation and modulation.  
Bachelor with focus on Matlab and R as supporters of modulation in Physics.

## CERTIFICATIONS (IN GIT)

- **FreeCodeCamp** - Responsive Web Design
- **Udemy** - Computer Vision Python OCR and Object Detection, Python and Django Full Stack Dev Bootcamp & Python for Comp Vision with OpenCV and Deep Learning
- **SoloLearn** - SQL
- **DataQuest** - Kaggle, Python fundamentals & Python intermediate
- **DataCamp** - Python & R

## NOTES OF SIDE PROJECTS (IN GIT)

- Higgs Boson Machine Learning Challenge
- Titanic Machine Learning from Disaster - Machine Learning (max score of 0.78468)
- Feature Preparation, Selection and Engineering
- One dimensional random walks
- Phase transition in the Ising model
- Two-dimensional random walks, First passage time and the survival probability, Lévy flights
- Exponential Moving Average stocks

## HOBBIES & INTERESTS

Books & Comics

Board Games

Kendo

LoL

TFT