Education

P.hD. in Physics
Federal University of ABC - UFABC
2020 - Present

M.Sc. in Physics
São Paulo State University - UNESP
2017 - 2020

B.Sc. in Physics
São Paulo State University - UNESP
2011 - 2016

Skills & Tools

Data Science

- NLP
  - Text Classifcation
  - Topic Modelling
- Machine Learning
  - Classification
  - Regression
  - Clustering
  - Outlier Detection
  - Deep Learning
- Time Series
- OCR

Python Libraries

- Pandas, NumPy, SciPy
- Matplotlib & Seaborn
- Sklearn
- Transformers, Gensim, SpaCy, NLTK
- PyTorch
- Statsmodels

Programming

- Python, SQL, R
- LaTeX, Markdown, Mathematica.

Tools

- AWS: Sagemaker, Athena, QuickSight, Glue, S3, Textract
- Databricks, Spark, Git, RStudio
- PyCharm, VSCode

Languages

Portuguese: Native

English: Fluent

Norwegian: Beginner

RichardCosta
Data Scientist | Physicist

 Santo André, São Paulo, Brazil

 site: richard-costa.github.io
 github: richard-costa
 linkedin: richard-silva-costa
 email: scosta.richard@gmail.com

Work Experience

Data Scientist   Nov. 2021 - Present

Dom Rock | São José dos Campos, São, Paulo, Brazil

Most of my work concerns natural language processing tasks, regression & classification algorithms, and exploratory data analysis & data preprocessing. Those include several other tasks like feature engineering & extraction, data visualization, data augmentation, statistical analysis, and so on. I've also had experience with clustering algorithms, outlier detection, product recommendation and optical character recognition.

Freelance Writer & Translator   Jul. 2018 - Mai. 2020

Self-Employed

Content writing on Science, Machine Learning and Entertainment. Copy-writing. Translation from Portuguese-English and English-Portuguese.

Post-Graduate Research Fellow   Mar. 2017 - Jul. 2018

CAPES | Guaratinguetá, São Paulo, Brazil

Scientific research in the field of Theoretical Particle Physics which resulted in a published paper. Work funded by the Coordination of Superior Level Staff Improvement (CAPES).

Undergraduate Research Fellow   Aug. 2015 - Sep. 2016

CNPQ | Guaratinguetá, São Paulo, Brazil

Scientific research in the field of Theoretical & Mathematical Physics. Work funded by the National Council for Scientific and Technological Development (CNPQ).

Publications & Awards

Papers

Pereira, S.H. and Costa, R.S., 2019. Partition function for a mass dimension one fermionic field and the dark matter halo of galaxies. Modern Physics Letters A, 34(16), p.1950126. doi:10.1142/s0217732319501268.

Awards

3rd Place, UNESP's Undergraduate Scientific Research Congress, Guaratinguetá campus.