

gabrielstefanini

Mathematician · Python · ML

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languages

english
fluent

portuguese
native

french
independent

spanish
beginner

interests

artificial intelligence,
machine learning,
computational
linguistics, data
visualization,
mathematical
optimization,
operations research,
decision theory,
management science,
graph theory, music
production, cello,
classical music,
learning languages

about

Passionate about learning and creating a positive impact on people's lives one algorithm at a time.

experience

- ↑ 2018-2018 **Czech Technical University in Prague**   Czech Republic

Researcher

 - Collaborated with IT4Innovations Supercomputing Center's initiative on population mobility predicting demand and bottlenecks on the public transportation system in the Czech Republic using geospatial data from mobile networks.
 - Developed data extraction and cleansing routines using Python and Spark.
- ↑ 2014-2018 **UniSoma**   Brazil

Operations Research Data Analyst

 - Delivered prescriptive and data-driven results using advanced analytics techniques, mathematical optimization and machine learning.
 - Devised LP/MIP/NLP models and heuristics on real-world problems.
 - Face-to-face experience interacting with big players in South America such as BRF, Embraer, Kroton and Itaú Rede.



Operations Research Intern

 - Devised ETL and data integration and data quality routines.
- ↑ 2013-2014 **Brazilian Nanotechnology National Laboratory**   Brazil






Research Intern

 - Conducted calibration for transmission electron microscopy and energy-dispersive X-ray spectroscopy measurements on chemical and morphological properties of heterostructure InAsP/InP nanowires.

education

- ↑ 2014-2018 **B.S. in Applied & Computational Mathematics**  University of Campinas
- ↑ 2011-2013 **B.S. in Physics**  University of Campinas
Not concluded. I decided fairly late in life that I feel like studying Mathematics.

programming

-  **Python** 
numpy, scipy, pandas, jupyter, matplotlib, plotly, bokeh, scikit-learn, statsmodels, scrapy, docplex
-  **Java, C, swift**
-  **CL, Clojure, Kotlin**
-  **NLTK, CoreNLP, SpaCy**
- x^2 **SageMath, Scilab, MATLAB, AIMMS, Gurobi, CPLEX, OPL**
- </> **HTML, CSS, JavaScript, node.js, D3, Flask**
-  **SQLite, PostgreSQL, MongoDB, Spark**
-  **bash, zsh, git, coreutils, GnuPG, \LaTeX , pipenv, docker**