RAFAEL UCHOA DE LIMA

EDUCATION

2022 | 2021

Post-graduation in Data Science and Decision

Insper — São Paulo, Brazil

2019 | 2014

Bachelor of Science in Computer Science

University of Maryland — College Park, Maryland, USA

- Design Cultures & Creativity Honors Program

PROFESSIONAL EXPERIENCE

Current | 2019

Data Scientist

MindMiners — São Paulo, Brazil

- Built interactive dashboards for visualization of data collected by client-made surveys, using Dash, Plotly and Pandas;
- Analyzed app usage metrics and the company's internal performance data, using SQL and R;
- Created Machine Learning models for text classification and sentiment analysis;

2019 | 2018

Volunteer Teaching Assistant

Girls Who Code - University of Maryland — College Park, Maryland, USA

- Taught high school and middle school girls the fundamentals of programming, using Python;

RELEVANT COURSEWORK

2020 | 2020

Data Science: Análise Exploratória de Dados

Insper — São Paulo, Brazil

- Studied a framework of data exploration involving analysis, transformation and visualization
- Analyzed and extracted patterns from real world data, contributing to a more efficient decision-making process;
- Created dashboard to present data analysis reports, using data visualization tools;

CONTACT

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GitHub

LinkedIn

TECHNICAL SKILLS

`R (tidyverse, tidymodels, shiny)`

`Python (pandas, dash plotly, sklearn)`

`SQL`

`Git`

`Markdown, Rmarkdown`

LANGUAGES

English: Fluent

Portuguese: Fluent

See this résumé online.

*Made with the R packages **pagedown** and **datadrivencv**.*

Source code available on GitHub.

Last updated on 2022-11-09. The most recent version of this résumé is available here.

2018 | 2018

Data Structures

University of Maryland — College Park, Maryland, USA

- Implemented efficient, 1-dimensional data structures, including AVL Trees, Hash Tables and Suffix Arrays;
- Implemented multi-dimensional data structures, including KD-Trees and Quad-Trees;
- Studied the LZW Algorithm for lossless data compression;

2017 | 2017

Design and Analysis of Computer Algorithms

University of Maryland — College Park, Maryland, USA

- Implemented graph and greedy algorithms, including algorithms for bipartiteness, topological sorting, scheduling and minimal spanning trees;
- Studied dynamic programming for problems such as sequence alignment and shortest paths;
- Studied randomized algorithms such as minimum cut and game tree evaluation;

2017 | 2017

Introduction to Machine Learning

University of Maryland — College Park, Maryland, USA

- Implemented different approaches to Machine Learning, including Linear Separators and Neural Networks;
- Studied Principal Component Analysis and probabilistic models, including the Bernoulli Model and Logistic Regression;
- Studied Machine Learning theory, including computational learning theory and PAC efficiency;