

# GABRIEL VITA SILVA FRANCO

## PHD STUDENT

@ gvfranco@bu.edu (617) 685-9112 Center for Computing and Data Sciences, 665 Commonwealth Ave  
Boston, MA, United States linkedin.com/in/gaabrielfranco github.com/gaabrielfranco

## EXPERIENCE

### Research Assistant

#### Boston University

September 2021 – Present Boston, USA

Working mostly on the Learning from Label Proportions problem advised by Professor Mark Crovella.

### Data Scientist

#### SEEK

September 2020 – July 2021 Remote, Brazil

Designed, implemented and maintained recommender systems that provide personalized job ad recommendations for customers.

### Data Scientist

#### Localiza

July 2020 – August 2020 Remote, Brazil

Developed machine learning models to identify possible reliable customers.

### Scientific Initiation Fellow

#### CAPES/CNPq/FAPEMIG

March 2015 – July 2018 Viçosa, Brazil

Worked on multiple research projects that applied machine learning to health problems.

## PROJECTS

### Bio-Oracle - A Software Which Uses Data Mining Techniques to Help Decision-Making in Bioethics

#### PIBIC-CNPq - Universidade Federal de Viçosa

August 2015 - July 2016 Viçosa, Brasil

## PUBLICATIONS

### Conference Proceedings

- Franco, Gabriel, Mark Crovella, and Giovanni Comarella (2023). "Dependence and Model Selection in LLP: The Problem of Variants". In: *Proceedings of the 29th ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD '23)*, August 6–10, 2023, Long Beach, CA, USA.
- Franco, Gabriel, Marcos Henrique Fonseca Ribeiro, and Giovanni Comarella (2019). "Towards an Interpretable Metric for DOTA 2 Players: An Unsupervised Learning Approach". In: *2019 8th Brazilian Conference on Intelligent Systems (BRACIS)*. IEEE, pp. 341–346.

### Journal Articles

- Gomes, Andréia Patricia et al. (2016). "Plasmodium Falciparum Infection: In Silico Preliminary Studies". In: *Abakós* 5.1, pp. 63–83.

## SKILLS

Data Mining Machine Learning  
Probability C/C++ Python Git  
SQL Numpy Scipy Pandas  
Matplotlib Seaborn Scikit-learn  
Redis Golang Elasticsearch

## LANGUAGES

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

## EDUCATION

### Ph.D. in Computer Science

#### Boston University

September 2018 – Present

### MSc. in Computer Science

#### Universidade Federal de Viçosa

August 2018 – June 2021

### BSc. in Computer Science

#### Universidade Federal de Viçosa

March 2014 – July 2018

## REFEREES

### Prof. Mark Crovella

@ Boston University

crovella@bu.edu

### Prof. Giovanni Ventorim Comarella

@ Universidade Federal do Espírito Santo

gc@inf.ufes.br

### Emanuel Vale

@ SEEK

evale@seek.com.au

## SELECTED COURSEWORK

- Boston University:** Machine Learning, Algorithmic Data Mining, Randomness in Computing, Algorithmic Techniques for Taming Big Data.
- Universidade Federal de Viçosa:** Artificial Intelligence, Data Visualization.