Pedro Gomes Branquinho

Engineering Physicist

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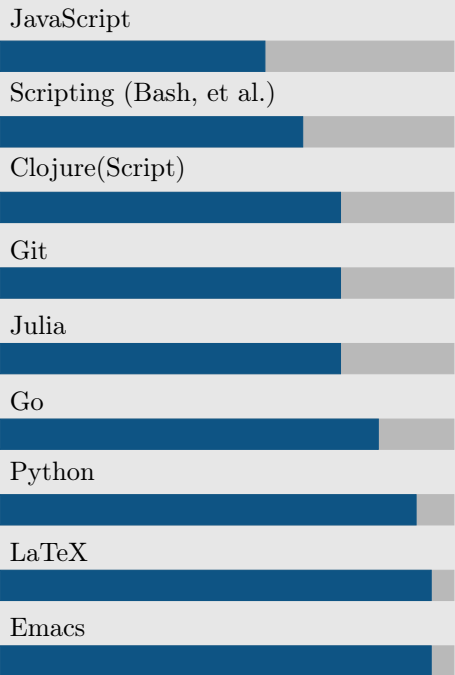
About me ———

I'm a Software Developer with strong background in STEM. I have knowledge in both Front and Backend, as well as an advanced knowledge of Statistics.

I have worked in Industry automating billing and reports for big and small companies. Also, I have profitable solo projects with Crypto Trading Bots.

Skills ———

JavaScript

Scripting (Bash, et al.)

Clojure(Script)

Git

Julia

Go

Python

LaTeX

Emacs

Professional Interests

- Data Science - Recommender Systems, Hypothesis testing, PCA;
- Webapp Applications using Machine Learning;
- Linux System's automation and pipelines;
- Backend Development;

Formal Education

| 2016 - 2022 | Graduation (Completed) | São Paulo University, USP |
| | Engineering Physics | |

Eletronic Publications

2021	Industry (Flow Finance) - Automate billing and Ledger history.
2021	Industry (Lupo S.A.) - Automate technical reports with Clojure/LaTeX.
2020	Machine Learning, with R - while enrolled in Multivariate Statics.
2020	A Minicourse on LaTeX - Material available on YouTube (Portuguese).

Extracurricular Experiences

2022	Programming in Python	Meta
	Course on Algorithms and Datastructures using Python.	
2022	Version Control	Meta
	Course on Git, Github and Version Control practices.	
2022	Introduction to Back-End Development	Meta
	Course on how the Web Works, HTTP, REST, APIs, TDD and best practices.	
2022	Programming with Google Go Specialization	UCI
	Three courses exploring Golang syntax, Object Orientation and Concurrency	
2021	50 personal projects and collaborated in 26.	GitHub
	My current status on GitHub (08/2021)	
2020	International Congress on Funcional Programming	Penn University
	I learned about the state of the art on Programming Languages.	
2020	Introduction to Git and GitHub	Coursera
	Part of the specialization, Google IT Automation with Python	
2019	Clojure for the Brave and True	Livro Texto
	Introductory self-study of Clojure.	
2018	Arch Linux Install	Linux Architecture
	I learned how to install Linux and configure a hole functional Desktop; used systemd, DWM as window manager and Emacs as my editor.	
2017	Emacs, SLIME, Common Lisp	Open Source
	When I started my interest on programming and Funcional Languages. I followed the book "ANSI Common Lisp", Paul Graham.	
2017	Ubuntu Linux	Primeira Instalação
	My objective was to use Emacs, which do not run smoothly on Windows.	

Languages and Fluency

Portuguese: Native.

English: I read, speak and write at ease.

Mandarin: I read, speak and write at HSK1-2 level.