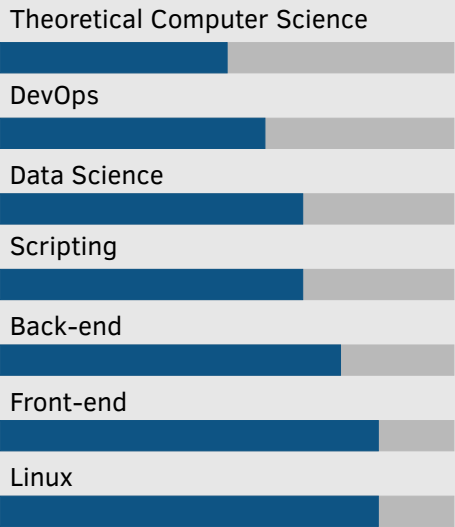# Pedro Gomes Branquinho

Engineering Physicist

- October, 07, 1997
- Franca, São Paulo - Brazil
- +55 16 99340-1215
- LinkedIn Profile
- Personal Website
- @ pedro.branquinho@usp.br

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 and Scientific Computing.

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

Theoretical Computer Science

DevOps

Data Science

Scripting

Back-end

Front-end

Linux

Professional Interests

- Full-stack Development.
- Microservices.
- DevOps.
- Data Science.

Formal Education

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

Eletronic Publications

2021	Industry (Flow Finance) - Automate billing and Ledger history.
2021	Industry (Lupo S.A.) - Automate technical reports with Clojure/LaTeX.

Jobs – Industry and Academia

2021 — Lupo S.A. – Jan/2021-May/2021 — *Developer*
Wrote software to automate Technical Reports, while working at WJB Engenharia (wjbsegurançadotrabalho.com.br/), as a Contractor firm to Lupo S.A.. We performed the Safety Analysis and Inventory of all the machinery from the company.

2021 — FlowFinance S.C.- Jun/2021-July/2021 — *Developer*
I developed an application, single-handily, to perform the Ledger and Clarence of billing data coming from BIORC, in CSV format. The technology used was Clojure.

2021/2022 — University of São Paulo - Sep/2021-Mar/2022 — *Researcher*
Modeling Traffic Flow, with Julia and Python - numerical solution to Partial Differential Equations (PDEs).Modeling Traffic Flow, with Julia and Python - numerical solution to Partial Differential Equations (PDEs).

2021/2022 — Café do Bem (NPO) - Aug/2021-Current — *Volunteer*
I created the website https://cafe-do-bem.company.site/, which is a platform to sell coffee. The mission of this Non-profit Organization is to revert all monetary gain, back to the coffee community (housing, food and basic education, as well as specialization courses).

Languages and Fluency

Portuguese: Native.

Inglês: C2 Level (click to open certificate).

Mandarim: HSK2.

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CV Virtual ————

(Personal Presentation online)

Certificates

Google Go Specialization by UCI - Irvine

Getting Started with Go: Basic syntax and Data Structure.

Functions, Methods and Interfaces: Object Orientation in Go.

Concurrency in Go: Advanced features in Go.

Backend by Meta (former Facebook)

Introduction to Back-End Development: Agile, TDD etc.; the infrastructure of the web, HTTP, CTP and other Protocols..

Version Control: Practices with Git and Github.

Programming in Python: Syntax, and Object Orientation.

Responsive Web Design by freeCodeCamp

Responsive Web Design: CSS syntax; Selectors; Bootstrap and other Frameworks.

Introduction to Docker: Build Your Own Portfolio Site by Coursera
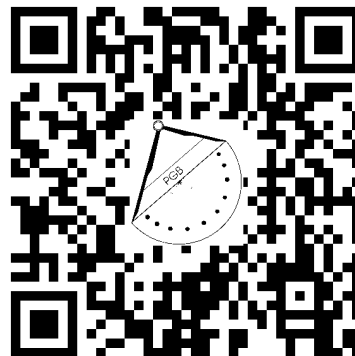
Introduction to Docker: Build Your Own Portfolio Site: Launch a web-application using Docker; learn to download, upload and use containers.

English certification by EF Education First

EF SET Score - C2 English test, based on European Standards - 78 points, giving the C2 score, at the maximum-range.

Aggregate-website, with Certifications

Link: https://buddhilw.github.io/bug-free-fiesta/

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CV Virtual ─────

(Personal Presentation online)

Eletronic Publications

2020	Machine Learning, with R - while enrolled in Multivariate Statics.
2020	Introduction to LaTeX, P1.
2020	Essential Commands in LaTeX, P2.
2020	Bibliographical References, Citations and Beamer Presentations, P3.
2020	A Minicourse on LaTeX - Material available on YouTube (Portuguese).

Extracurricular Experiences - While at University

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   *Google Go Specialization*   University of California (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   *Performance (Really) Matters*   ACM
Emery Berger on the use of Scalene to perform software optimization.

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*   Google
Part of the specialization, *Google IT Automation with Python*

2019   *Clojure for the Brave and True*   Text Book
Introductory self-study of Clojure.

2018   Arch Linux Install   Linux Architecture
I learned how to install Linux from scratch 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   First Install
My objective was to use Emacs, which do not run smoothly on Windows.