

Pedro Gomes Branquinho, B.Sc

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in [pedro-g-branquinho](#)

🌐 [buddhilw.com](#)

📄 CV for humans - not ATS-optimized



Employment History

- 2023/Jan – 2023/Aug **FACTI** Campinas, São Paulo (Hybrid)
Created a full stack application to automate the accounting of projects funded by the government. The technologies used were Clojure, Vanilla JavaScript, Angular, JQuery, Express.js, Bootstrap and Material UI.
- 2021/Jun – 2022/Dec **Café do Bem (NPO)** Franca, São Paulo (Remote)
I created the full stack 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).
- 2021/Sep – 2022/Dec **University of São Paulo** Lorena, São Paulo (Remote)
Modeled Traffic Flow, with Julia and Python - numerical solution to Partial Differential Equations (PDEs) - as a Researcher.
- 2021/Agu – 2021/Sep **FlowFinance** Santa Catarina, Rio Grande do Sul (Remote)
I developed an application to perform the Ledger and Clearance of billing data coming from BIORC, in CSV format. The technology used was Clojure. The end-product was an API system to handle common manual tasks.
- 2021/Jan – 2021/May **Lupo S.A.** Araraquara, São Paulo (Hybrid)
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.

Education

- 2023 - current **MBA FullCycle, Brasilia University (UnB)** in Go Backend Systems.
- 2016 – 2022 **B.Sc University of São Paulo (USP)** in Engineering Physics.
Graduation paper: *FOSS in Industry and Academia*.

Skills

- Languages **Portuguese:** Native; **English:** C2
- Coding **Clojure(Script), Go, Python, JS, Bash, R, Julia, \LaTeX**
- Databases **MySQL, Postgres, SQLite.**
- Web Dev **Reaget (React for CLJS), Re-frame, Tailwind, Material UI (MUI), Bootstrap**
- Misc. **Academic research, teaching, training, consultation, \LaTeX typesetting and publishing.**

Miscellaneous Experience

Electronic Publications

- 2021
 - [Industry \(Lupo S.A.\) - Automate technical reports with Clojure/LaTeX.](#)
 - [FlowFinance - Clojure, library for CSV data-manipulation](#)
- 2020
 - [Machine Learning, with R.](#)
 - [Introduction to \$\LaTeX\$, P1.](#)
 - [Essential Commands in \$\LaTeX\$, P2.](#)
 - [Bibliographical References, Citations and Beamer Presentations, P3.](#)
 - [A Minicourse on \$\LaTeX\$ - Material available on YouTube \(Portuguese\).](#)

Certification

- 2022
 - **Getting Started with Go (UCLA Irvine):** Basic syntax and Data Structure.
 - **Functions, Methods and Interfaces (UCLA Irvine):** Object Orientation in Go.
 - **Concurrency in Go (UCLA Irvine):** Advanced features in Go.

 - **Introduction to Back-End Development (Meta):** Agile, TDD etc.; the infrastructure of the web, HTTP, CTP and other Protocols..
 - **Version Control (Meta):** Practices with Git and Github.
 - **Programming in Python (Meta):** Syntax, and Object Orientation.

 - **EF SET Score - C2** English test - European Standards - 78/100 points