

Victor Luís Gama de Assis

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📍 São Paulo, SP, Brazil

Profile

Software engineer with experience in **back-end**, **system** and **embedded engineering** in fintech, consulting, and academical environments. Currently building data pipelines and back-ends at **Boston Consulting Group**. Interested in teams tackling **low-latency**, **high-throughput** distributed-systems, or **mission-critical** applications in **Rust**, C++, or OCaml.

Education

Inspier Instituto de Ensino e Pesquisa **B.S. Computer Engineering** Jan 2020 – Dec 2025

Grade: 9/10. Teaching assistant for the Languages and Paradigms course. Capstone project extended open-source RISC-V FPGA and Hardware Abstraction Layer implementations for aerospace systems in partnership with the Brazilian government. Awarded with excellence recognition.

Relevant courses: High-performance computing, Blockchain, Functional Programming, Algorithmic Trading, Algorithms & Data Structures, Cloud & Computer Networks, Machine Learning, Web Development, Languages & Compilers, Embedded Systems.

***5-year degree, with a 1-year leave of absence during the pandemic.**

Work Experience

Feb 2025 – Present

Boston Consulting Group

Software Engineering Intern

Built ELT pipelines for a major S&P 500 retailer using Azure Data Factory, DBT, and PySpark. The pipelines support product placement optimization models across thousands of US stores.

Currently building ETL pipeline and back-ends for the biggest brazilian lubricant industry to manage multiple warehouse management system data.

Jun 2024 – Jul 2024

University of Illinois, Urbana-Champaign

Summer Research Intern

Contributed to the C++ implementation of an algorithm that reconstructs the evolutionary history of cancer from single-cell DNA data. Developed data structures to represent different types of genetic mutations and their observed variants. Implemented part of an optimization process that minimizes a cost function to create local phylogenetic trees representing combinations of mutation variants. These local solutions served as input for the construction of a global model that represents the overall evolutionary structure of the tumor.

Sep 2022 – May 2023

ADDI (major Colombian fintech)

Data Intern

Owned analytics for the Brazilian business as the sole analytics contributor. Built dashboards that gave visibility into revenue and product performance, enabling strategies that doubled conversion amid team reductions. Delivered pricing analysis that doubled average ticket size with no impact on conversion or retention.

Languages and Technologies

Languages: Portuguese (Native), English (Advanced), Spanish (Intermediate)

Programming: C/C++, Python, SQL, Rust, OCaml, Haskell, VHDL

Tools: AWS, Terraform, Docker, FastAPI, PySpark, Dune, Cargo, Intel Quartus