Pedro Gabriel Amorim Soares

Belo Horizonte, Brazil | pedrogabrielbhz@gmail.com | +55 31 995922992

linkedin.com/in/pedro-gabriel-soares-34a81529a | github.com/pgbhz

Professional Experience

Software Engineer Intern, Google – Belo Horizonte, Brazil — Sept 2025 – Present

Software Engineer, Vulcanet – Remote (Campinas, SP) — Aug 2021 – Nov 2022

- Designed, refactored, and implemented microservice solutions using Python and TypeScript, applying Domain-Driven Design (DDD) and Command Query Responsibility Segregation (CQRS) patterns to improve scalability and performance
- Refactored SQLAlchemy ORM and GraphQL interfaces for asynchronous processing in an event-driven architecture
- Developed and maintained CI/CD pipelines, Docker/Kubernetes deployments, and Grafana/Apache monitoring dashboards

Research Assistant, Dep. of Computer Science, UFMG — Mar 2021 – Aug 2021

- Implemented graph pattern mining (max-clique) algorithms in Python and C++ for public auctions data from the Public Ministry of Minas Gerais
- Contributed to the design of data pipelines and visualization infra, i.e. Docker, MySQL, PySpark, NoSQL

Volunteer Scientific Initiation Student, Dep. of Computer Science, UFMG — Mar 2021 – Aug 2021

- Developed evolutionary heuristic algorithms for mining survival models in medical databases in Python and C++
- Contributed to Google's Latin America Research Awards (LARA) award-winning project on COVID-19 data mining, presented at BRACIS and published by Springer

Volunteer Scientific Initiation Student, Faculty of Economic Sciences, UFMG — Jan 2020 – Dec 2020

- Built machine learning models in Python, prototyping with the scikit-learn, Keras, and TensorFlow libraries to predict insolvency of Brazilian health insurance providers, achieving >86% accuracy
- Applied genetic algorithms (DEAP) for feature selection and model validation on financial datasets

Research Intern, ENACOM — Mar 2020 – Aug 2020

- Implementation of machine learning models in Python to predict and understand failures in industrial processes

Research Intern, Czech Technical University – Prague — Jan 2020 – Feb 2020

- Awarded a two-month research scholarship by the Institute of Czech-Brazilian Academic Cooperation

Education

PUC Minas, BSc in Computer Science — Expected Dec 2025

- Average grade: 88% (GPA 3.3/4.0)
- Exchange Program at Université Gustave Eiffel / ESIEE Paris (Fall 2024)
- Transferred from BSc in Computational Mathematics at UFMG

Skills

Programming Languages: Python, Go, C++, Java, C#, C, Rust, TypeScript, SQL

Frameworks & Tools: Django, FastAPI, React, GraphQL, Docker, Kubernetes, CI/CD, GitHub Actions, PySpark

Databases: PostgreSQL, MySQL, MongoDB, Redis

Concepts: Microservices, Domain-Driven Design (DDD), CQRS, Machine Learning, Data Mining, A/B Testing, Load Testing, Event-Driven Architecture

Languages: English (C2 — TOEFL iBT 116/120), French (B1), German (A2), Portuguese (Native)