

Pedro Gabriel Amorim Soares

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Education

PUC Minas , BSc in Computer Science	Expected Dec 2025
<ul style="list-style-type: none">• 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	

Professional Experience

Software Engineer Intern , Google – Belo Horizonte, Brazil	Sept 2025 – Present
Software Engineer , Vulcanet – Remote (Campinas, SP)	Aug 2021 – Nov 2022
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• 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
<ul style="list-style-type: none">• Implementation of classification and regression machine learning models in Python to predict and understand failures in industrial processes, delivering reusable data processing and classification modules and classes to clients	
Research Intern , Czech Technical University – Prague	Jan 2020 – Feb 2020
<ul style="list-style-type: none">• Research and development of experimental conditions for measuring human perception of video transmission quality	

Skills

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

Topics: Django, FastAPI, GraphQL, Docker, Kubernetes, CI/CD, Git, PySpark, MySQL, PostgreSQL, MongoDB, Machine Learning, Data Mining, A/B Testing, Load Testing, DDD, CQRS

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