Gabriel Barbosa de Oliveira

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LinkedIn | GitHub

B.Sc. in Computer Science Undergraduate

I study at the **University of São Paulo**, considered the **best University in Latin America**. Therefore, I experience the highest level of education in the country and learn the core technologies and skills from **internationally recognized researchers**. Examples of what I've learned are **OOP, Data Structures (ADT, Graphs, Trees, etc.), Sorting Algorithms, Advanced Algorithms, Software Engineering, Databases, Asymptotic Analysis, Computer Architecture, Boolean Arithmetic, and Digital Logic**. Besides, I've gained practical knowledge through complex projects and assignments and had work experience doing an **internship** on campus.

Technical Skills

Languages : JavaScript, PHP, Java, HTML, CSS, C, C++, Python, SQL
Databases : PostgreSQL, MongoDB
Dev Tools : Git, GitHub, Linux, Docker, DBeaver, Jupyter, Colab, Valgrind, Figma

Experience

Back-End Development Intern August 2022 – June 2023
IT Center of São Carlos *São Carlos, São Paulo, Brazil*

- Maintained and implemented new features in a web application using **HTML, CSS, JavaScript, PHP, and SQL**
- Deployed updates and fixes to production using **Docker**
- Collaborated with other developers using **branches and version control with Git**
- Implemented modifications in **SQL queries** to retrieve more data and improve performance
- Redesigned UI of some pages using **Bootstrap**

Education

University of São Paulo March 2021 – Present
B.Sc. in Computer Science *São Carlos, São Paulo, Brazil*

Projects

Retro Archive Store *React.js, MongoDB, Git*

- Project for the **Introduction to Web Development Class**
- Web application made using **React**
- Simulates **e-commerce** for a retro games store
- Implemented core functionality on the **front and back-end**
- Currently working on translation to English, refactoring the code, and reorganizing file structure

Archives Processing Program *C, Git*

- Project for the **Archives Processing Class**
- Program implementing core commands of a **DBMS**, such as **INSERT** and **DELETE**
- Implemented **indexes**, including **B-tree**
- Built from scratch using **C**
- Currently working on translation to English, refactoring the code, and reorganizing file structure

Other Courses

University of Michigan on Coursera

- Building Web Applications in PHP
- Introduction to Structured Query Language (SQL)
- Building Database Applications in PHP