

# João Pedro Martins Oliveira


 [Português](#)<sup>🇧🇷</sup>

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## Education

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Federal University of São Paulo

*Bachelor of Science in Computer Science*

Expected Graduation: December 2026

*São José dos Campos, São Paulo*

- **Relevant Coursework:** Software Engineering, Database Systems, Artificial Intelligence, Statistical Inference and Regression Analysis

## Experience

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G3P Financial Management and Planning

February 2025 - Present

*Full-Stack Developer Intern*

- Developed the operational workflow for client data submission by designing and integrating a dedicated file-upload desktop application with a centralized web portal.
- Delivered new features for the financial management platform using C#/ASP.NET Core, Vue.js, xUnit, SQL Server, and Entity Framework Core, applying Domain-Driven Design (DDD) principles.
- Engineered asynchronous routines and background workers using Azure Functions and RabbitMQ.

Tech Stack: C# (.NET Core), JavaScript (Vue.js), SQL Server, EF Core, xUnit, RabbitMQ

## Projects

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[wiRedPanda Project](#)<sup>🔗</sup>

August 2023 - Present

*C++/Qt Developer*

- Co-developed wiRedPanda, an open-source digital circuit simulator, which became the standard tool for coursework at UNIFESP, democratizing digital circuits education.
- Streamlined software accessibility for Linux users by creating and maintaining the official application package in the AUR (Arch User Repository), simplifying the installation process.
- Enhanced the onboarding experience for new users by designing and deploying the software's official landing page and web portal using Astro.js.

Tech Stack: Qt, C++, Linux, Astro.js

Mutation Testing Library

July 2026

- Developed a mutation testing library written in Go at UNIFESP to deepen knowledge in software validation, verification, and code coverage reliability.

Tech Stack: Go

## Skills

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- **Languages:** [English - C1](#) | Portuguese - Native | Libras(Brazilian Sign Language - Basic)
- **Programming Languages:** C++, C#, Python (Advanced) | Go, TypeScript, Dart, Java (Intermediate)
- **Databases:** SQL Server, PostgreSQL, MongoDB
- **Technologies & Tools:** GNU/Linux, Docker, RabbitMQ, Git

## Awards & Certifications

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- Outstanding Trainee of the Year - Mandatory Military Service, 2021
- Fundamentals of Data Science - UNIFESP
- Game Developer Certification - UNIFESP