HERNANI SAMUEL DINIZ

Software Engineer

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 LinkedIn | GitHub | Portfolio

PROFESSIONAL SUMMARY

Software Engineer recently graduated, passionate about building innovative solutions that solve real-world problems. Since August 2020, I have been developing applications using Python, web automation, data manipulation, and front-end technologies. I am currently focusing on learning and building with Rust to deepen my understanding of systems programming and performance-oriented design. Highlight project: MineInvest, a unique investment simulator that allows users to replay and simulate historical trades in the international market using real data.

ACADEMIC BACKGROUND

Bachelor's Degree in Software Engineering

Unicesumar | February 2021 - February 2025
- Fundamentals: Programming Logic, Data Structures, Databases
- Paradigms: Object-Oriented Programming (OOP)
- Modeling: UML Diagrams, Systems Analysis and Design

FEATURED PROJECTS

MineInvest – Time Travel Investment Simulator

FastAPI, React, Bootstrap, yfinance | Watch Demo (audio in Portuguese)

An innovative desktop application that lets users simulate historical investments in the international market — a true "time-travel broker." The system allows buying and selling stocks using real market data from any past date, enabling users to learn from the market without financial risk.

Technical Highlights:
- ▶ **Custom API built with FastAPI**, integrating real market data from yfinance to retrieve historical quotes from the international market
- ▶ **Responsive interface**, developed with React and Bootstrap, featuring interactive charts for portfolio visualization
- ▶ **Full portfolio management system:** position tracking, transaction history, and real-time profit/loss calculation
- ▶ **Unique market concept** – allows users to test investment strategies using real historical data, something not found in other Brazilian solutions

ADDITIONAL INFORMATION

- **Neurodiversity:** Autistic software engineer offering unique perspectives in problem-solving and strong attention to detail.
- **Continuous learning:** Self-taught since 2020, constantly exploring new technologies and expanding technical knowledge.
- **Work philosophy:** Programming isn't just a job — it's fun. It feels like playing a game where I create the rules, face technical challenges, and celebrate every victory when the code runs perfectly.