Daniel Rezende

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Summary

Undergraduate in Computer Engineering at UFS and worked as a PIBIC scientific initiation student. I critically analyze requirements to ensure real value for projects, prioritize solid deliverables, and take care of continuous delivery. I base my technical decisions on data analysis and apply software engineering methods to increase productivity and generate lasting contributions.

Education

Federal University of Sergipe, UFS   *2020 - 2026*
Bachelor's in Computer Engineering

Experience

PIBIC Scientific Initiation Student, UFS   *July 2023 - July 2025*

- Created a dataset of 500 obfuscated and original codes through modeling and implementation, achieving recall and precision metrics to evaluate plagiarism detection tools.
- Built a SvelteKit interface for manual comparison of Mermaid diagrams, developing custom components and making source code comparison faster and more intuitive.
- Developed a Python converter using Tree-sitter, generating reversible JSON with the logical tree that isolates essential information and allows comparison of implementations in C and Python.

Projects

LLM Router Module   *February - March 2025*

- With the goal of orchestrating multiple AI APIs and optimizing call costs, I implemented routing logic with Langchain and conversation memory in PostgreSQL, optimizing API call costs by up to 25%. Achieved 2nd place at the ChipLabs Hackathon.

SIEHP System   *March 2025 - present*

- Participate as a fullstack developer in the Integrated System for Teaching Histology and Pathology (SIEHP) in NextJS and NestJS, using unit testing techniques to ensure compliance with business rules.

SBC Programming Marathon Training   *July 2025 - present*

- Lead and participate in weekly training sessions with support from university professors, aiming for qualification in the first phase of the SBC Programming Marathon.
- Successfully helped a team of 3 people qualify for the final phase in 2025.

Technologies

- **Programming languages**: Python, JavaScript, TypeScript, HTML/CSS, C, C++, SQL.
- **Frameworks**: FastAPI, React, NextJS, NestJS, Tailwind, LangChain.
- **Tools**: Git, GitHub, Docker, VS Code, Figma, PostgreSQL.
- **Languages**: Portuguese (native), English (fluent).