Vitor Lopes Nocce

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PROFESSIONAL EXPERIENCE

Software Developer Intern - DTI Digital   AUG. 2024 - Present.
- DTI is a company that helps businesses innovate through technology. It is part of WPP, a global communications group.
- Used Python, Streamlit, OpenAI APIs, and Azure services to automate processes for a client as part of the GenAi team.
- Developed a RAG API using FastAPI for a chatbot platform, used on a large scale by all client departments.
- Configured Azure DevOps pipelines CI/CD to automate solutions deployments and reduce processing time.
- Developed a documentation generator application for the IT department, reducing manual work for dev teams by 20%.
- Participated in daily team meetings to define objectives and identify pain points.

Support Teacher of Algorithms and data structure.   MAR. 2024 - JUL. 2024
- Provided weekly support to approximately eight recurring students at college.
- Assisted in solving exercises and clarifying topics such as Big-O complexity, lists, queues, sorting algorithms and trees.
- Used C# as the primary programming language for explanations and exercises.
- Relied on reference materials, including freeCodeCamp articles, Microsoft documentation, "Grokking Algorithms" book, and GitHub repositories, including my own LeetCode solutions repository.
- Continued mentoring some students beyond the program, reinforcing a commitment to learning and knowledge sharing.

PROJECTS

Finalist on Hackathon of PUC Minas
- Led a team of five people called "Elementos do São Gabriel", in developing a solution that reached the Top 10 among 135+ teams in the PUC Minas Hackathon.
- Developed a software pitch to calculate the long-term environmental benefits of solar panels.
- Invited to participate in PUCTEC 2025, an event by PUC Minas to support new ventures with mentorship.
- Learn more about the competition: [PUC Minas Hackathon].

Third place in Programming Olympiad
- Finished in 3rd place among around 40 participants, in the competition organized by my college.
- Solved coding challenges and algorithm problems. Showcasing strong problem-solving skills through programming.

Part of a group of Scientific Initiation
- Participated as a member of an extensionist scientific study group focused on the application of IoT (Internet of Things) in agriculture, attending weekly discussions on the research progress and addressing the extension project's demands.

Developed an AI-driven system to generate Instagram posts.
- Developed a system using the open-source multi-agent framework CrewAI to generate Instagram posts. Each agent utilizes the OpenAI API to create text and images based on user input. The system was developed in Python with a Streamlit front-end, and other libraries such as BeautifulSoup.

SKILLS

Tools: C#, Python, Javascript, MySQL, GIT , GitHub, HTML, CSS, Bootstrap, AzureDevops.

Languages: Brazilian Portuguese (Native), English (Advanced).

EDUCATION DEGREE

Bachelor of Information Systems, Average: 8.1/10.0   JAN. 2023 - JAN. 2027
- Pontifícia Universidade Católica (PUC), Belo Horizonte - MG, Brazil.