ADINAN ALVES DE BRITO FILHO

Information Engineering Student & Computer Technician

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EXPERIENCE

Software Engineer Intern (Co-Op)
IBM Research

📅 September 2021 – Present   📍 Sao Paulo/SP, Brazil

Responsible for the development and maintainability of a deployed audio & text conversational prototype for WhatsApp and Telegram. The project is available at: **ibm.biz/BdPawZ**.

- Microservices integration with Python Flask applications
- NoSQL database design and implementation
- Application containerization and management
- Application deployment
- Machine Learning models deployment
- Chatbot conversation design

HARD SKILLS

Data Science & AI   Python libraries: Scikit-learn, Pandas, Tensorflow, Numpy, Seaborn, Matplotlib - Machine Learning: Regression, Classification, Clustering

Programming   Python advanced - Java intermediate - C intermediate - HTML - CSS - NoSQL - SQL - Rest APIs - Postman - Docker - Flask - GitHub

IBM Technologies   Watson Assistant - Speech to Text - Text to Speech - Cloudant - Code Engine - Cloud Pak For Data - Cloud Foundry - IBM Cloud

Informatics   Installation and maintenance of Windows and Linux machines - Microsoft 365 advanced - LaTeX advanced - Adobe Photoshop/Illustrator/Premiere Pro advanced

UNDERGRADUATE RESEARCH

Study and Comparison of Image Compression Techniques based on Discrete Transforms
Federal University of ABC

📅 September 2020 – August 2021   📍 Santo Andre, Brazil

Proposal of a new methodology for image compression. Development of an image compression interactive interface on Python for educational purposes. Advisor: Kenji Nose-Filho, Ph.D.

Construction of an Interactive Interface for Requantization and Resampling of Audio Signals
Federal University of ABC

📅 October 2019 – August 2020   📍 Santo Andre, Brazil

A Python interactive interface was created for practical study and manipulation of digital audio processing, for didactic purposes. Advisor: Kenji Nose-Filho, Ph.D.

EDUCATION

B.S. in Information Engineering
Federal University of ABC

📅 2019 – Present   📍 Santo Andre, Brazil

B.S. in Science and Technology
Federal University of ABC

📅 2019 – 2023   📍 Santo Andre, Brazil

Computer Technician
ETEC de Sapopemba

📅 2015 – 2017   📍 Sao Paulo, Brazil

SOFT SKILLS

Easy-learning   Problem-solving
Decision-making   Teamwork
Communication   Engagement

MOST PROUD OF

🏆 Participation in international scientific conferences

📈 New advertisement strategy for the IBM Research Brazil development community

♿ Volunteering at BRG PcD Brazil, an IBM initiative to support the internal PwD community

LANGUAGES

Portuguese Native
English Professional   Spanish Beginner

COURSES

- The Python Bible
- Docker Essentials
- Python for Data Science
- Data Analysis Using Python
- IBM Watson Assistant Foundations
- IBM Cloudant Developer Essentials
- IBM Cloud Essentials