

ADINAN ALVES DE BRITO FILHO

Information Engineering Student & Computer Technician

@ adinan@adinan.cloud

+55 11 940520397

Sao Paulo, Brazil

in linkedin.com/in/adinanfilho

github.com/adinanabf



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

PROJECTS

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 communication 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

REFERENCES

Kenji Nose-Filho, Ph.D.

Federal University of ABC

@ kenji.nose@ufabc.edu.br

Marcelo Grave

IBM Research

@ marcelo.grave@ibm.com

Eliana Basso

IBM Research

@ elianab@br.ibm.com