PERSONAL INFORMATION

+55 (81) 98104-4537
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BORN IN

10/06/1997
Recife - PE

LANGUAGES

English
Portuguese

SKILLS

C/C++
Python
Javascript
Linux
Git & Github
Data Analysis
Docker

Teamwork and Collaboration
Organization
Proactive

FELIPE NUNES DE ALMEIDA PEREIRA

ACADEMIC BACKGROUND

PURSUING BACHELOR IN COMPUTER ENGINEERING

Universidade Federal de Pernambuco - CIn UFPE | Started August 2018

EXTRACURRICULAR ACTIVITIES

RESEARCHER

RobôCIn - UFPE | December 2019 - Today

RobôCIn is a research and competition team from the Informatics Centre of the Federal University of Pernambuco. The group focuses on the study and development of solutions related to robotics.

- **Frontend development**
  - Building and maintenance of the team's official website using HTML/CSS/JS with additional styling in Sass and JQuery. (https://robocin.com.br/)
- **Data Analysis**
  - Conception and implementation of a Python codebase using Pandas to extract analysis from the the team's game log.
  - Conception and implmentation of Graphical User Interface in Python (PyQt5) and matplotlib for data visualization.
- **Software engineering**
  - Refactoring of the Data Analysis project's codebase using OO and project patterns principles simplifying the code's lifecycle.
  - Participated in architectural discussions about the construction of a codebase written in C++ and Qt that unifies three of the team's projects.
- **Backend development**
  - Created a environment in Docker to fasten developement of the Data Analysis project.
  - Used Flask to connect the frontend and a database of the Data Analysis project.

TEACHER ASSISTANT - NETWORK INFRASTRUCTURE

Universidade Federal de Pernambuco - CIn UFPE | June 2021 - Today

Provided additional lectures to computer engineering students about the TCP/IP stack as well as providing additional material for study.

PROFESSIONAL EXPERIENCE

RESEARCHER IN DATA ANALYSIS

PIBIC - CNPQ | September 2020 - Today

Currently i research in the area of data analysis with the goal of conceiving new analysis and metrics, using Python and Pandas, that are relevant to the 2D Simulation Soccer (RoboCUP) category in large scale, besides developing the needed infrastructure with tools such as Docker.

PUBLICATIONS

A DATA ANALYSIS GRAPHICAL USER INTERFACE FOR ROBOCUP 2D SOCCER SIMULATION LEAGUE

LARS/SBR 2020 - IEEEXplore

Article virtually presented at the IEEE Latin American Robotics Symposium/Brazilian Robotics Symposium (LARS/SBR 2020) and published at IEEEXplore. This article was the result of the R&D and the work done by the Data Analysis subteam from RobôCIn. https://ieeexplore.ieee.org/document/9307104