

# GABRYEL ALENCAR

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## PERSONAL INFORMATIONS

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**Date of Birth** 03 Sep 2001

**Languages** Native Portuguese. Advanced English. Basic Spanish.

**Github:** GabryelRaposo

**Linkedin:** in/gabryelraposo

## EDUCATION

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**B.S in Electrical Engineering – GPA 9.26/10.00** 05/2019- Ongoing  
Federal University of Paraíba – (Paraíba / Brazil)

**YÁZIGI - English Course** 03/2019 – 12/2019  
English Course on Level C1 at the Common European Framework of Reference.

## EXPERIENCE

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**Researcher – SG2 PROJECT – UFPB** 03/2020 - Ongoing  
The Smart Grid Group (SG2) is a research project that aims to study the new paradigm of smart grids (Smart Grid) in Brazil. Thus, my work on the project is focused on developing energy saving mechanisms using artificial intelligence, precisely, LSTM Neural Networks to predict the power consumed by the University at certain periods of the year.

**TAIL Member - UFPB** 08/2020 - Ongoing  
TAIL (Technology and Artificial Intelligence League) is a non-profit Academic League held at UFPB that aims to support the students knowledge sharing and to teach new students from all courses (not only the ones in the Computer Science, Engineering and Data Science department) among the several fields on Artificial Intelligence and Data science.

**Data Engineering Intern – SEFAZ** 07/2021 - Ongoing  
My work on this project is collaborate to improve the data infrastructure of the Department of Finance of the State of Paraíba (SEFAZ) and to develop a tool that uses artificial intelligence, applying clustering algorithms, such as DBSCAN and Kmeans, treatment techniques and Natural Language Processing to detect tax fraud in companies of the State.

**FORMULA – E Member - UFPB** 07/2019 – 12/2019  
Formula-E is an extension project driven by Electrical students and designed to build an electric car based on SAE - Rules to win the annual competition against other Universities. There I worked in the high voltage team, dealing with batteries and projection of the car chassis.

## TOOLS AND INTERESTS

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**Tools** C/C++, Python, Pandas, Tensorflow/Keras, Numpy, Scikit-learn, Git, Linux, Machine Learning, Energy Optimization, Renewable Energy Sources.

**Interests** Deep Learning, Automation and Control, Renewable Energy, Electronics.

## EXTRACURRICULAR ACTIVITIES

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**Academic Mentor of Differential and Integrals Calculus II - UFPB** 09/2019 - Ongoing  
During the subject I assist the professor lecturing classes if necessary and help other students with their doubts.

**Academic Mentor of High School - +Exatos** 02/2019 - 05/2019  
Academic mentor for students pursuing a place in Brazilian public universities. In general, students that have concluded the high school or are in their last year.

## RELEVANT CERTIFICATES

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**Machine Learning e Data Science with python from A to Z (Udemy)** 08/2021

**Artificial Intelligence for Everyone (UFPB)** 08/2020

**Grid Integration of Electric Vehicles (EVs): Wired and Wireless Solutions – (IEEE)** 07/2020