Igor Soares Colonna

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Education

Technical High School of Electronics   Jan 2018 - Dec 2018
Escola Estadual Ferreira Viana - ETEFV, Rio de Janeiro

Electronic and Computer Engineering   Aug 2019 - Present
Universidade Federal do Rio de Janeiro, UFRJ, Rio de Janeiro

Extracurricular activities

Robótica ETEFV
Escola Estadual Ferreira Viana, ETEFV, Rio de Janeiro
An extracurricular activity where I was able to put into practice a little of what I learned in class, projects done mainly with Arduino and NodeMCU using the C language for Arduino.

Mini-Company Program   Jan 2017 - Dec 2017
Junior Achievement brasil, Rio de Janeiro
The project consisted of creating a "mini-company" and managing it with the other students in the project.

Software Development   Dec 2021 - Jul 2022
UFRJ Nautilus, Rio de Janeiro
Nautilus is a competition team at UFRJ where we develop autonomous underwater vehicles (AUV) that participate in the international competition for AUVs RoboSub.

Scientific Initiation at the Ultrasound Laboratory of UFRJ   May 2022 - Present
Biomedical Engineering Program - COPPE/UFRJ, Rio de Janeiro
As a Scientific Initiation student in the Biomedical Engineering Program, I am responsible for developing an innovative software capable of calculating tumor volume and creating a 3D model of the colon of mice using ultrasound images obtained by BMU-t or BMU-e methods. Currently, I am working on improving the software by integrating a plugin in ImageJ that I developed in Java and with Matlab. This work is important to improve the diagnosis and treatment of colorectal cancer in laboratory animals and is an important contribution to the field of biomedical engineering.

Skills

Python - Advanced

Java - Advanced

C/C++ - Intermediary

Matlab - intermediary

Languages

Inglês - Advanced