Caio Oliveira

Contact

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Languages

Portuguese
English

Programming Languages

C ♥
●●●●○

C++
●●●○○

JAVA
●●○○○

Intel HLS
●●○○○

Python
●○○○○

VHDL
●○○○○

Platforms

ESP8266
Arduino
Intel FPGA
Linux OS
Windows OS
Android OS

Interests

Embedded Systems
Cyber-Physical Sytems
Software development
Firmware development
Hardware development
Finance applications

About me

My name is Caio Oliveira, I am Brazilian, a master's student in Sciences (Computer Science and Computational Mathematics) at University of São Paulo (USP) and a computer engineer by University of Ribeirão Preto (UNAERP).

Experience

2017-2018 **Tutorial Education Program (PET)** Ribeirão Preto, Brazil
Tutor
I worked with bioinformatics and laboratory automation.

2017-2018 **Computer Laboratorys for Research and Teaching Activities (LIAPE)** Ribeirão Preto, Brazil
Intern
I worked with customer service and help desk.

2015-2016 **UNAERP Junior - Computer Engineering's Departament** Ribeirão Preto, Brazil
Director
I was the founder and the director of the Computer Engineering department at UNAERP Junior Enterprise.

2014-2016 **National Council for Scientific and Technological Development (CNPq)** Ribeirão Preto, Brazil
Scientific Initiation Scholarship
I worked with research and development in the area of robotics and automation.

2011-2013 **Central do Micro** Passos, Brazil
Computer Technician
I worked with software and hardware repair on desktops, laptops and smartphones.

Education

2018–2020 **Master's** in Sciences — University of São Paulo - USP

2013–2018 **Bachelor** in Computer Engineering — University of Ribeirão Preto - UNAERP

Projects

2020 **Development of Parameterizables Components in Hardware Following FIX/FAST Standards** USP
Hardware development in FPGA to decode financial market data compatible with FIX and FAST standards.

2018 **Control and Development Platform Using the ESP8266 Module** UNAERP
Development of a hardware and software platform with built-in electrical power terminals, controlled by a visual interface or a web service.

2016 **Instrumentation of the Nanofiltration Membranes Permeability Analysis Machine** UNAERP
Software/hardware development on Arduino for manometer data collection.

Skills

Creativity
Great in having creative ideas and solutions.

Communication
Writing and public speech abilities (mostly in Portuguese).

Programming
Good programming skills in C and C++.

PCB Development
Experience in PCB design and skills in eletronics.