

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 Systems
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

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|-----------|---|------------------------|
| 2017-2018 | Tutorial Education Program (PET)
<i>Tutor</i>
I worked with bioinformatics and laboratory automation. | Ribeirão Preto, Brazil |
| 2017-2018 | Computer Laboratories for Research and Teaching Activities (LIAPE)
<i>Intern</i>
I worked with customer service and help desk. | Ribeirão Preto, Brazil |
| 2015-2016 | UNAERP Junior - Computer Engineering's Department
<i>Director</i>
I was the founder and the director of the Computer Engineering department at UNAERP Junior Enterprise. | Ribeirão Preto, Brazil |
| 2014-2016 | National Council for Scientific and Technological Development (CNPq)
<i>Scientific Initiation Scholarship</i>
I worked with research and development in the area of robotics and automation. | Ribeirão Preto, Brazil |
| 2011-2013 | Central do Micro
<i>Computer Technician</i>
I worked with software and hardware repair on desktops, laptops and smartphones. | Passos, Brazil |

Education

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|-----------|---|---------------------------------------|
| 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
Hardware development in FPGA to decode financial market data compatible with FIX and FAST standards. | USP |
| 2018 | Control and Development Platform Using the ESP8266 Module
Development of a hardware and software platform with built-in electrical power terminals, controlled by a visual interface or a web service. | UNAERP |
| 2016 | Instrumentation of the Nanofiltration Membranes Permeability Analysis Machine
Software/hardware development on Arduino for manometer data collection. | UNAERP |

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 electronics.