

# Caio Oliveira

## Contact

📍 São Carlos, SP  
Brazil

📞 Mobile no:  
+55 16 98245-1388

✉ Email:  
caiooliveira@usp.com

🌐 Page:  
caiosoliveira.github.io

in [Linkedin](#):  
caiosoliveira

☎ Lattes:  
2357170475979985

## 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

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