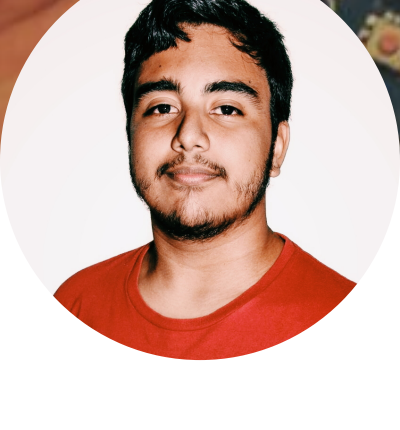




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## Ruamberg Aguiar

Developer

**BORN :** May 7, 1997

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ruamberg.github.io

## About me

WHO I AM

Ruamberg Aguiar, 21, Automation and Control Engineering undergraduate student at POLI / UPE (Polytechnic School of Pernambuco/University of Pernambuco - Brazil), which works with IoT and embedded systems development. In 2011, started building projects to robotic championships and hackathons around the world. At college, leadered a robotic team for two years where started science skills searching biosignals and computing processing on them. Nowadays, have been working with IoT systems and software development. My aim is to use my abilities with the mechatronic engineering world, programming and design to rise a new culture based on the devices we build.

## Language Skills

### ENGLISH

Accurate English speaking (B2) and advanced knowledge with writing and reading.

### LIBRAS (Brazilian Sign Language)

Intermediate level interpreter.

### GERMAN

Basic skills(A1).

## Development Skills

### ELETRONICS AND CIRCUITS

Development of circuits using the Proteus software, manufacturing PCB's and soldering all kinds of discrete and SMD components.

### C/C++

Large experience with developing embedded software for open source platforms like Arduino and ESP. Using advanced resources of organizations and protocols in the sketch.

### WEB DESIGN & NODE.JS

Skills on develop and edit HTML CSS JS websites and basic Node.js applications (Express, React Native, Electron, etc.).

## Work

and Experiences

### DEVELOPER

L2 **TECNOLOGIA**

APRIL 2017 - PRESENT

IoT and embedded systems developer, having a rewarding experience learning the nuances of business software and hardware development.

### RESEARCHER

**POLI / UNIVERSITY OF PERNAMBUCO**

2016

Researched electromyo sensors development and data science. Won the best article of Automation and Control Engineering in 2016 at University of Pernambuco.

### ROBOTIC TEAM DEVELOPER

**POLI / UNIVERSITY OF PERNAMBUCO**

2014 and 2015

In my junior year of college, started a new branch of self-controlled robotic competitions which resulted in participating in two Latin American competitions (Summer and Winter Challenger Robocore) with Line-Follow robots race. First time leadering a group, handling new software and hardware tools.

### ENGLISH TEACHER

**COMPASSION INTERNATIONAL**

2015

NGO working. Taught basic English for teenagers, ages ranging from 13 to 18.

### ROBOTIC TEAM DEVELOPER

**SANTA EMÍLIA HIGH SCHOOL**

2011 to 2013

In high school, started to build robots and software in general. Competed at two regional robotic championships, one national and two Robocup's (Mexico - 2012 and Holland - 2013).

## Education

ACADEMIC  
CAREER

### GRADUATING

**POLI / UNIVERSITY OF PERNAMBUCO**

2014 - NOW

Undergraduate degree on Automation and Control Engineering.

### ENGLISH COURSE

**SENAC**

2012 - 2014

Advanced English course completed.

### GERMAN COURSE

**CCBA - German/Brazilian Cultural Center**

2017