MATEUS ALVES DA ROCHA

+55 61 992751102 ◇ mateus.alves.unb@gmail.com
https://mateusalves.github.io/
Brazilian ◇ Brasília, DF - Brazil

TECHNICAL SKILLS

Programming languages	C/C++, Python, Shell Script, Assembly, MATLAB
Softwares & tools	Unix/Linux, Git, Github, Bitbucket, Gitlab, JIRA, Esp32/Esp8266, Arduino, Raspberry Pi, MSP430, EAGLE, Kicad, Fusion 360, CATIA, LaTeX
Languages	Portuguese (Native Speaker), English (Fluent)

EDUCATION

University of Brasilia *December 2018.*
Major: Bachelor of Electronics Engineering

Wayne State University *August 2015 - May 2016*
Exchange program by Ciências Sem Fronteiras

WORK EXPERIENCE

OnBoard Mobility *October 2019 - Current*
Embedded Systems Engineer

· Development of solutions in embedded systems using C and Python in environments Unix/Linux; Integration with AWS server using REST and MQTT protocols.

E-lastic *January 2019 - October 2019*
Hardware/Firmware Development Engineer

· MCU programming in C/C++ languages; Development of printed circuit boards (PCB) using Kicad software; 3D printer handling and slicing software (Slicer).

E-lastic *June 2018 - December 2018*
Electronic Engineer Intern

· MCU programming; Development of electronic circuits; Development of PCB projects.

LaBCert *June 2017 - June 2018*
Electronic Engineer Intern

· Development of test instruments for certification of electromedical equipment.

University of California, Los Angeles *May 2016 - August 2016*
Volunteer Undergraduate Researcher

· Development of improvements to a smartphone app written in C# language by generating user interaction screens to control the amount of photos taken by the app. Development of scripts in Matlab for processing images obtained with the smartphone.

University of Brasilia *January 2014 - April 2017*
Undergraduate Researcher

· Diagnostic Assistance System for Peritoneal Dialysis. *Period: October 2016 - April 2017.*
· EMG signal acquisition system in amputees' stump. *Period: April 2015 - August 2015.*
· Geo-statistical and Sonorous Information System of Dengue. *Period: January 2014 - December 2014.*