MATEUS ALVES DA ROCHA

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Brazilian ◇ Kraków - Poland

TECHNICAL SKILLS

Programming languages	C/C++, Python, Shell Script, Assembly, MATLAB
Softwares & tools	Unix/Linux, Git, Github, Bitbucket, Jira, GDB, MQTT, HTTP requests, AES256, Yocto project, Esp32/Esp8266, Arduino, Raspberry Pi, MSP430, Kicad, Fusion 360, CATIA, LaTeX
Languages	Portuguese (Native Speaker), English (Fluent)

EDUCATION

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

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

WORK EXPERIENCE

APTIV - PL *March 2022 - Current*
Software Systems Test Engineer

· Developing, documenting and executing software system tests in the automotive embedded software industry.

OnBoard Mobility - BR *October 2019 - March 2022*
Embedded Systems Engineer

· Development of solutions in embedded systems using C, C++ and Python in environments Unix/Linux; Integration with AWS server using HTTP requests and MQTT.

E-lastic - BR *June 2018 - October 2019*
Hardware/Firmware Development Engineer

· MCU programming in C/C++ languages; Development of circuit boards using Kicad software.

LaBCert - BR *June 2017 - June 2018*
Electronic Engineer Intern

· Development of test instruments for certification of electromedical equipment.

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

· Development of features to an app written in C# language; Development of scripts in Matlab for processing images obtained with the smartphone.

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

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