Bruno Vale Barbosa Eiterer

Developer

I am currently interested in low-level embedded software and applications development in C, C++, C#, Java and Python.

Experiences

07/2019 - Present

Gertec - São Paulo

Software Developer

- Embedded Software development for payment solutions in Linux and Android environments using C, C++ and Java
- Desktop applications development in C#/.NET and WPF
- All activities were perfomed under Scrum methodology

04/2018 - 02/2019

ASML - The Netherlands

Worldwide leader in lithography machines, used in integrated circuits manufacturing

Embedded Software Intern in the Motion Control team

- Implementation of an EtherCAT protocol prototype in C, both in Linux and Bare-Metal
- Implementation of test code in Python
- Succesful integration of the protocol with existing code
- Development of getting started tutorials for new team members

01/2014 - 03/2018

Embedded Systems Group - UFSC

Floripa-Sat project team member

Floripa-Sat is a project whose objective is developing the first Cubesat nanosatellite completely developed by students in Brazil

Intern in the Energy Power System

- Development of the firmware for the microcontroller and several other integrated circuits in C
- Development of the temperature control system for the nanosatellite batteries.
- Development of the voltage and current measurement circuits using amplifiers and ADCs
- Implementation of buck and boost switch-mode converters
- Solar panels, switch-mode converters and load modeling using Matlab and Simscape

Education

03/2012 - 02/2019

Electrical Engineering Bachelor

Federal University of Santa Catarina, Brazil

Personal Information

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Languages

Brazilian Portuguese	●●● Native
English	●●● Fluent

Programming

C	●●● Advanced
Python	●○○ Basic
C++	●○○ Basic
Matlab	●○○ Basic
C# .NET	●○○ Basic
WPF	●○○ Basic

Skills

Git	●●○ Intermediate
ClearCase	●○○ Basic
MS Office	●●○ Intermediate
LaTeX	●●○ Intermediate
Simulink	●○○ Basic
Altium Designer	●○○ Basic