

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 performed 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
 - Successful 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

French

Basic

Programming

C

Advanced

Python

Basic

C++

Basic

C# .NET

Basic

WPF

Basic

Java

Basic

Matlab

Basic

Skills

Git

Advanced

ClearCase

Basic

SVN

Basic

MS Office

Intermediate

L^AT_EX

Intermediate

Simulink

Basic

Altium Designer

Basic