

SILAS OLIVEIRA DE TOLEDO

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Status – Authorized to work in the US without sponsorship

EDUCATION

Federal University of Itajubá, UNIFEI Electrical Engineering with an emphasis in Electronic Engineering	Itajubá, Brazil July 2013
INSA Centre-Val de Loire Blois (ENIVL) Master 2: Sciences and Technologies Reference: Physics and Sciences for Engineers Specialty: Electronics, Signal and Microsystems	Blois, France July 2012

EXPERIENCE

Product Engineer at Helibras (Airbus subsidiary) Electrical Integration	Itajubá, Brazil Aug 2013-Mar 2016
<ul style="list-style-type: none">Electrical Integration of Systems: Definition of electrical components with military specification. Verification of Electrical Wiring Diagrams on IGE+XAO (See Expert); Management of the Electrical Data Base SEE EED for the plant in Brazil; Key User / ADMIN for all the software package IGE+XAO (See EED, See Exp, See SPM) for plant in Brazil; Support to the Purchasing section concerning electrical components; Electrical Integration of STCs for the machines AS350, AS365, EC725 (and local support for other Airbus programs).	
Intern at Helibras (Airbus subsidiary) Electrical Integration	Itajubá, Brazil Sep 2012-Jul 2013
<ul style="list-style-type: none">Activities of electrical definition in a big range of electrical components with military specification. In charge of making and following up the Pre-Provisioning Lists, lists of components provided to be used on the wiring harness for the prototypes EC725. Supported the purchasing section. Interface with suppliers.	
Intern at M2M Non-destructive Testing Firmware development	Les Ulis, France Feb 2012- Aug 2012
<ul style="list-style-type: none">Integration of an embedded algorithm in one of the electronic systems (Multi.X++) of the company. Used the languages VHDL and Verilog to modify the firmware of the IO board and the CPU board to allow the integration of a new transducer in the Multi.X++. This embedded algorithm allows the control of a phased array smart sensor (TCI) to achieve non-destructive testing (NDT). Both firmware developed were validated. The product with the integration of the transducer TCI has been put on the market at the end of 2012.	
Student researcher in Artificial Intelligence AI at UNIFEI Control of autonomous robots using AI methods	Itajubá, Brazil Feb 2009- Dec 2010
<ul style="list-style-type: none">Development of algorithms to control autonomous robots through Artificial Intelligence techniques. Used AI methods (Fuzzy and Annotated Paraconsistent Logic, APL) in research for the control of autonomous robots in unknown environments.	

LANGUAGE SKILLS

Idiom	Speaking	Writing	Reading
Portuguese	Fluent	Fluent	Fluent
English	Fluent	Fluent	Fluent
French	Fluent	Fluent	Fluent
Spanish	Intermediate	Intermediate	Intermediate

COMPUTER SKILLS

IGE+XAO (SEE EXP, SEE SPM, SEE EED), DIVMAC, Heliharness, BDELEC, AutoCad, Altera, Quartus, Xilinx ISE & SDK, Xilinx ChipScope, MatLab, ModelSim, pSPICE, OrCAD and Multisim.
Programming Languages: VHDL, Verilog, C++, C, .Net and Assembly.