Max **Corrêa**

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Email:	Max_hudson@hotmail.com
Birthdate:	08.03.1990
Nationality:	Brazilian

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Professional Experience

04/2015 – till date

Instrumentation of Experimental Vehicles in FIAT Chrysler Automobiles
- Testing in experimental vehicles for verification and calibration of powertrain, drivability and shiftability. development and testing of the testbench diagnostic and safety functions. Automation of test routines based on the development of hardware and embedded software. Development of electric harnesses for prototype engines. Experienced in the use of pressure transducers, lambda meters, dc converters, level sensors, data acquisition, pressure meters, flow meters.
- Management calibration of devices used in the instrumentation processes based on ISO17025 and ISO9001.
- During this period I developed a new micro-controlled test automation device, increasing the quality of the data acquired and the volume of the tests performed.

11/2013 – 03/2015

Hardware Product Developer in Hexangon Mining
- Development of hardware and solutions for process improvement of mining vehicles. Production of prototypes, industrialization of new products, documentation, drawing of wiring diagrams, cables, test scripts, assemblies, integration of communication interfaces (Leak Finder, Wi-Fi, CAN Bus).

05/2012 – 08/2013

Maintenance Technician in Newton Paiva University
- Management of maintenance of biomedical devices, chemical analyzers, pharmaceuticals, odontology and others devices used in tests laboratories.
- Control of preventive and corrective maintenance of pneumatic plant power compressors.

06/2011 – 03/2012

Electronics Technician in EMPRESA1
- Development of documents for industrialization of new products: assembly scripts, maintenance routines, test scripts, 2D drawings of cables and mechanical parts, software version control, control and traceability of adapted revisions of the product.

03/2009 – 05/2011

Technical Assistant **in Global Express Techinical Assistance**
- Repair of cell phones, replacement of electronic components PTH and SMD. NOKIA maintenance team leadership, maintaining high levels of performance control.

Education

Electronics Systems Technician, SENAI CETEL
- CGPA: 8,7

Instrumentation Systems Advanced, SENAI CETEL
- CGPA: 9,2

Degree in Electrical Engineering, Newton Paiva University
- CGPA: 9,2

Software Skills

- MATLAB (beginner)
- C, C++ (experienced)
- Python (intermediate)
- Microsoft Office and Power BI, MATLab, Technical Applications in the automotive field, ETAS INCA, INCA FLOW, CANalyzer. Embedded software development, CAN bus communication, Python, PIC, Atmel, Expressif.

Languages Known

- English – B2
- Portuguese - Native

Skills and training

- Improvement of Experiments - Coursera.org
- Welding Process SMD and PTH – SENAI Electronic Technology Center
- Neural Networks and Deep Learning - Coursera.org

I hereby declare that the above mentioned information is accurate

Location: Contagem, Minas Gerais, Brazil   Max Hudson Chaves Corrêa

Date: 03.21.2020