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| **Address:** | Marques de Olinda Av. 1930, Joinville, Brazil |
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| **Email:** | silvio.r.lima83@gmail.com |
| **Birthdate:** | 19.07.1983 |
| **Nationality:** | Brazilian |

Silvio Rodrigo **de Lima**



Professional Experience

2012 – present

**HW researcher in NIDEC – Embraco Division: Electronic Controls Unit, Joinville, Brazil**

Hardware development of variable speed inverters to control compressors for worldwide household/light commercial applications. Integrated electronic (thermostat+inverter) development for fridge/compressor control.

2010 – 2012

**HW researcher in Intelbras S/A, São José, Brazil**

HW development for Telecom applications, focused in Brazilian market.

2008 – 2010

**HW researcher in Specto Group, São José, Brazil**

HW development for building/residential automation, focused in Brazilian market.

2005 – 2007

**Intern in Labelectron – CERTI Foundation, São José, Brazil**

Improving in project tools, support for developing projects in electronic area, as well to create procedures for test and validation of electronic devices.

Education

2020 – 2021 (on going)

**Masters in Power Electronics, Department of Electrical Engineering, Santa Catarina State University - UDESC, Joinville, Brazil**

Development of Power Factor Correction (PFC) electronic converter for low power inverters (up to 300W) focusing high efficiency topologies for European market

2017 – 2018

**Automotive Repairing Technician (Specialization in light vehicles), National Service of Industrial Learning – SENAI, Joinville – Brazil**

* Focused in light vehicles operation and maintenance
* Development of skills in automotive area, with the goal of working in electric vehicles field

2004 – 2007

**Bachelors in Industrial Automation, Federal Institute of Technological Education of Santa Catarina - IFSC, Florianopolis, Brazil**

* Focused in electronics, mechanical and robotics
* Additional courses in C language for embedded applications and CNC machines

Software Skills

* MathCad (experienced)
* PSIM (intermediate)
* MATLAB (beginner)
* Embedded C (beginner)

Languages Known

* English – Advanced
* Portuguese - Native

Skills and training

Soft skills:

* Teamwork;
* Learning ability;
* Good adaptability;

Specific skills:

* Intermediate knowledge in power electronics;
* Hardware design/tests/validation;
* Product approval in Institute (VDE, UL);
* Basic knowledge in automation techniques (industrial automation and process control);
* Basic knowledge in firmware development (C language);
* Basic knowledge in development tools for electronic design (schematic / PCB);

I hereby declare that the above mentioned information is accurate.

Location: Joinville, SC, Brazil

Full name: Silvio Rodrigo de Lima

Date: 15/03/2020