



Sergio Mazucato

Electrical Engineer

Contact

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Web References

LinkedIn
GitHub

Programming

Python ●●●●●●
C ●●●●●●
Matlab ●●●●●●
Assembly ●●●●●●

Languages

English ★★★★★
German ★★★★★
Italian ★★★★★
Portuguese ★★★★★

Places Lived



Appreciated Activities

Problem solving ●
Programming ●
Matlab ●
Analog electronics ●
Math ●

Experience

- 11/18 - Now **Test Manager** [Robert Bosch - on behalf of T&S \(Abstatt\)](#)
Responsible for the final validation of BEG-ESP projects, he is in charge of test sets definition, planning activities, tracking activities and for the final approval of the software.
- 09/17 - 10/18 **Technical Consultant** [Gernalto \(Filderstadt-Sielmingen\)](#)
In this role Sergio was the technical responsible for the smart cards Portfolio (chips for bank cards) of the financial sector. In direct contact to the final customer, he was in charge of the **solution design, specification, development management, validation, delivery** and its **maintenance**.
- 08/16 - 08/17 **Technical Project Manager** [Gernalto \(Sao Paulo\)](#)
As a technical project manager, he was responsible for the smart cards projects in Sao Paulo (Brazil) for the first tier accounts. In this role he also led and develop tools for the department, as automation and optimization tools. The standard projects of this department were Data Processing Software and Assembly-like scripts, for smart cards personalization.
- 02/15 - 08/16 **Project Engineer** [Gernalto \(Sao Paulo\)](#)
As a technical account leader he was responsible for software development on high level (**javascript** and **Python**) and low level (**assembly**-like) languages, definition of the electrical profile of smart cards and advisory over chip's behavior for several customers.
- 07/14 - 01/15 **Internship - Technical Consulting** [Gernalto \(Sao Paulo\)](#)
Acted as part of the team responsible for 2nd tier of clients, representing 100k units of cards yearly. The role of the intern was to support the development of software projects and electrical specification of smart cards.
- 01/14 - 07/14 **Internship - Application Engineering** [Varixx electronics \(Campinas\)](#)
Acted as part of the team responsible for application engineering, the main tasks of the intern were to analyze the products (circuits) and to develop test-cases for the engineers. This role was also up to the redesign of electrical circuits and technical writing.


Awards

- 2013 **IEEE Industrial Electronics Society - Vienna**
The IES Student Activities Committee of the Industrial Electronics Society (IES) awarded with financial support 5 Student Members (IEEE-IES) to attend IES Conferences. The best qualified papers were awarded according to the review of each conference - IECON2013.
- 2017 **Federal University of Parana - UTFPR**
In celebration of the Industry Day, the UTFPR, through the Board of Corporate and Community Relations, honored the former students who stand out in the market.

Education

- 2016 - 2016 **Specialization in Project Management** [Fundacao Getulio Vargas \(FGV\)](#)
- 2010 - 2015 **Bachelor of Engineering, Electrical Engineering** [Federal University of Parana](#)
cGPR: 3.28 - Rated as **best** student of the university at the National Exam for the Assessment of Student Performance (ENADE).
- 2013 **ERASMUS** [FH-Zwickau](#)

Publications

 Automatic Tuning of PSSs and PODs Using a Parallel Differential Evolution Algorithm. In: **2014 International Journal of Natural Computing Research**, v. 4, p. 1-16, 2014.

◆ **IEEE** Parallel Simultaneous and Coordinated Tuning of PSSs Using Ant Colony Optimization. In: **2013 IEEE Industrial Electronics Society**, 2013 Vienna, Austria.

◆ **IEEE** Combining Subpopulation Tables, Non-dominated Solutions and Strength Pareto of MOEAs to treat Service Restoration Problem in Large-Scale Distribution Systems. In: **2013 IEEE Industrial Electronics Society**, 2013 Vienna, Austria.

◆ **IEEE** Simultaneous and coordinated tuning of PSSs and PODs using differential evolution. In: **2012 IEEE Power & Energy Society General Meeting**, 2012, San Diego. 2012 IEEE Power and Energy Society General Meeting.

Complementary Info

- Linux basic knowledge (10+ years of personal use).
- Volunteer work for three years at two college projects: *Evolutionary algorithms applied to corporeal exercises of people in rehab* and *Local potentialities of the city CP*.
- Teacher assistant during one year for *Electrical Machinery* and *Electricity and Magnetism*.
- This document was generated ¹ with Python and \LaTeX ².

¹compiled on 17. März 2019

²<https://github.com/sergiomazucato/resume>