



# 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 ●

## Education

- 2016 - 2016 **Specialization in Project Management** Fundacao Getulio Vargas (FGV)
- 2010 - 2015 **Bachelor's degree in 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, the rank for all other comparisons as city, state and country were above p75 (between the best 25%).
- 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.

## 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.
- 2016 **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.

## Experience

- 11/18 - Now **Test Manager** [Robert Bosch - on behalf of T&S \(Abstatt\)](#)  
Responsible for the test strategy of ESP products, he is in charge of the definition of test sets, planning and tracking activities. The final approval and the delivery of the software to the final customer is also a Test Manager activity.
- 09/17 - 10/18 **Technical Consultant** [Gemalto \(Filderstadt-Sielmingen\)](#)  
In this role Sergio was the technical responsible for the Smartcards Portfolio (chips for bank cards) of the financial sector. He was in charge of the **solution design, specification, development management, validation, delivery** and its **maintenance**.
- 08/16 - 08/17 **Technical Project Manager** [Gemalto \(Sao Paulo\)](#)  
As a technical project manager, he was responsible for the IT project management in Sao Paulo (Brazil) over 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 Smartcards personalization.
- 02/15 - 08/16 **Project Engineer** [Gemalto \(Sao Paulo\)](#)  
As a technical account leader he was responsible for software development on high level (**javascript** and **Python**) and low level embedded software (**assembly-like**) languages, definition of the electrical profile of smartcards and advisory over chip's behavior for several customers.
- 07/14 - 01/15 **Technical Consulting internship** [Gemalto \(Sao Paulo\)](#)  
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 the consultants over the electrical specification of smartcards.
- 01/14 - 07/14 **Application Engineering internship** [Varixx electronics \(Sao Paulo\)](#)  
Acted as part of the team responsible for presales activities, 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.

## 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 <sup>1</sup> with Python and  $\text{\LaTeX}$  <sup>2</sup>.

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<sup>1</sup>compiled on 6. Januar 2019

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