

# Andrey A. Masiero

FULL STACK DEVELOPER · RESEARCHER · PROFESSOR

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*“Must be the change that you want to see in the world.”*

## Summary

Proactive. I have 15 years of experience in software development with Java, JavaScript and Python. Frameworks known: Spring, NodeJS, Flask, Django, React and Angular. Main projects are ATM product development for Santander Brasil, an interaction robot to help elderly people and a cognitive chatbot using IBM Cloud Service as Watson, Text to Speech, Speech to Text and Image Recognition. Front-end for Web and Mobile version.

## Education

### FEI University Center (Fundação Educacional Inaciana Pe. Sabóia de Medeiros)

*Sao Bernardo do Campo, Sao Paulo, Brazil*

PHD IN ELECTRICAL ENGINEERING FOCUS ON ARTIFICIAL INTELLIGENCE APPLIED ON AUTOMATION AND ROBOTICS

*2013, Sep. - 2018, Apr.*

- Fulltime Scholarship in CAPES/PROSUP (Brazilian Government).

### FEI University Center (Fundação Educacional Inaciana Pe. Sabóia de Medeiros)

*Sao Bernardo do Campo, Sao Paulo, Brazil*

MSC IN ELECTRICAL ENGINEERING FOCUS ON ARTIFICIAL INTELLIGENCE APPLIED ON AUTOMATION

*2011, Mar. - 2013, Feb.*

- Fulltime Scholarship in CNPq (Brazilian Government) working on FINEP project in public hospital called “Pesquisa e Estatística baseada em Acervo Digital de Prontuário Médico do Paciente em Telemedicina Centrada no Usuário” (in portuguese).

### FEI University Center (Fundação Educacional Inaciana Pe. Sabóia de Medeiros)

*Sao Bernardo do Campo, Sao Paulo, Brazil*

BACHELOR IN COMPUTER SCIENCE

*2005, Aug. - 2009, Jul.*

- Social Assistant Scholarship from University itself.

## Professional Experience

### FIAP

*Sao Paulo, Sao Paulo, Brazil*

PROFESSOR

*2018, Apr. - 2021, Oct.*

- Projects: Cognitive Chatbot using IBM Watson, Text to Speech, Speech to Text and Image Recognition. Front-end ReactJS and Back-end Java/Spring. HR Onboarding System with ReactJS, Java and Oracle Database.
- Lectures about: Responsive Web Development using Java, JSP, JSF, JavaScript, HTML5, CSS3, Bootstrap, Servlet, React, JQuery e JQueryUI. Artificial Intelligence and Chatbots with Python. Microservices and SOA Architecture with Spring. Hybrid Mobile Development with React Native.

### Metodista Univesity of Sao Paulo

*Sao Bernardo do Campo, Sao Paulo, Brazil*

PROFESSOR

*2013, Aug. - 2020, Feb.*

- Coordinator of Programming Contest based on Java and Python.
- Traditional and Online Learning Professor. Lectures about: Oriented Object Programming, Algorithms and Data Structure, Web Application Development, Distributed Systems, Graphic Computing (OpenGL/ WebGL), Design Patterns, Robotics and Artificial Intelligence, Computational Intelligence. Coordinator of study group for programming competition and digital games. Thesis Supervisor for undergraduate students and specialist students.
- Online Course Coordinator in System Analysis and Develop Tech.
- Mentor on Information System, Computing Engineering and Project Management courses.

### CPM Braxis Capgemini

*Sao Paulo, Sao Paulo, Brasil*

SYSTEM ANALYST

*Abr. 2010 - Mar. 2011*

- Responsibilities are Requirement Analysis, Application of RUP methodology on software documentation, Application of Scrum for project manager, UML diagrams, Team activities planning, Team schedule managing, Function point measuring.
- Developed web application using C#.Net and ASP.NET MVC.
- Applied eXtreming Programming techniques the team delivered a project 3 months earlier than expected.

## VOLANS

### SYSTEM ANALYST

- ATM System Developer using languages like COBOL, VB6, C, Java and JavaScript.
- Team Member of integration project between Santander and Real ABN Amro Banks.
- Create a function to improve withdraw option on ATM. It lets the use in 35% faster on withdraw option.

Sao Paulo, Sao Paulo, Brazil

2008, May. - 2010, Apr.

## Rodobens Locação de Veículos

### SYSTEM ANALYST

- Optimization of process using BPMN.
- Member of Strategic Planning Committee.
- Develop and maintance of system modules according to user requirements.

Sao Bernardo do Campo, Sao Paulo, Brazil

2008, Jan. - 2008, May.

## A&M Sistemas

### DEVELOPER

- Develop systems using Linux (Server/Dev), Cobol/VSAM, JavaScript, HTML/DHTML.
- Create a module to control truck tyres consume using AJAX client side and COBOL server side.
- Project Client: Rodobens Locação de Veículos.

Sao Paulo, Sao Paulo, Brazil

2007, Mar. - 2008, Jan.

## GOL Airlines

### SYSTEM AUDIT INTERN

- Internal Control with Sarbanes-Oxley (SOX).
- IT Control with COBIT.

Sao Paulo, Sao Paulo, Brazil

2006, Jun. - 2007, Mar.

## EGO Informática

### SUPPORT ANALYST

- Develop a news database to website using Java.
- Computer maintance.
- Telephone central maintance.
- User Support by e-mail, telephone or personally.

Sao Bernardo do Campo, Sao Paulo, Brazil

Nov. 2003 - Mai. 2006

## Additional Credentials

### Latin American and Brazilian Robotic Competition

#### STANDARD EDUCATION KIT (SEK) CATEGORY ORGANIZER

- Competition Rules Review.
- Technical Responsible Person.

Brazil

2013, Jan. - 2017, Dec.

### ROBOFEI Team

#### MEMBER

- Service and Health Robotic focus on Human Robot Interaction.
- Developing focus on RoboCup home tasks competition using ROS, Python and C++.

Brazil

2013, Sep. - 2017, Sep.

### OBMEP - Brazilian Mathematical Olympiad for Public Schools

#### JUDGE

- Second phase judge.

Brazil

2013, Jan. - 2014, Dec.

## Awards

### INTERNATIONAL

2016 **Finalist**, RoboCup Home

Leipzig, Alemanha

### DOMESTIC

2016 **First place**, RoboCup Home

Recife, Brazil

2015 **Third place**, RoboCup Home

Uberlandia, Brazil

2015 **First place**, Academic Honor in FEI University Center

Sao Bernardo do Campo, Brazil

2009 **First place**, VII EXPOCOM - Computer Science Projects Exhibition in FEI University Center

Sao Bernardo do Campo, Brazil