

Estela Santana

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Date of birth: 1992-05-23
Nationality: Brazilian



Career objectives

My career goal is to be an engineer that can support the growth of the company I work at and have opportunities to develop myself professional and personally. As a person I am very communicative and pro-active with abilities in building relationships and leading and motivating my team. I have the natural ability to find work/improvement opportunities and a structured way to handle them. I take my responsibilities very seriously and am very focused on achieving the expected results. My professional interests include working in the automation industry, but also having contact with customers and teammates, listening to challenges and working to find solutions together. I also value combining technical knowledge with human interrelations as, as a team, we can always deliver more.

Education

- 2016 – Master’s Programme in Production Development and Management (Jönköping, Sweden)**
Jönköping University, 120 hp
International master’s programme in which all courses are taught in English with students from the multiple countries. The courses in the programme provide knowledge on product and production development, prepare the students for working in a global environment and also develop competences needed for a leader to work in the manufacturing industry.
- 2010 – 2015 Graduation degree in Control and Automation Engineering (São Paulo, Brazil)**
Maná Institute of Technology
The programme is a 5-year engineering education that combines mechanics, electronics and computing science to prepare students to work in the manufacturing industry developing and improving manufacturing processes and autonomous systems or other solutions that combine those fields. The graduation degree in Brazil is similar to civilingenjör level in Sweden.
- 2013 – 2014 Exchange year in Robotics and Control (Umeå, Sweden)**
Umeå University, 60hp
Exchange program entirely funded by the Brazilian government which included courses in robotics and control systems, artificial intelligence, digital vision and image processing.

Most recent and relevant courses/projects

- Autumn/2016 Production Development, Strategy-System-Technology**
Jönköping University, 15 hp
- Design of production systems including systems and process perspective, sustainability, production philosophies, layout, workplace design and organizational solutions
 - Flow simulation and other tools for system design and improvement
 - Evaluation of production systems
 - Formulation, implementation and analysis of manufacturing strategies
- Autumn/2016 Human Factors Engineering**
Jönköping University, 6 hp
- The abilities and limitations of the human concerning work physically, physiologically and cognitively
 - Automation and allocation of functions in a human – technology system
 - Usability design of human – technology interfaces
- Jan/15 – Dec/15 Adaptive motorization for manual wheelchairs**
Maná Institute of technology, final graduation project
It is a 1-year long project in which an innovative idea is developed. The product developed was a device to attach to manual wheelchairs and make them motorized. The project went from market research, mechanical calculations and design to building a prototype and presenting a business model to interested companies. The applied knowledge included developing the control system, developing a mobile application for displaying real time information to the user, developing the mechanical structure and the attachment mechanism and implementing the limitations given by the regulations.

Professional experience

Jan/15 – Mar/16 **Rockwell Automation (São Paulo, Brazil)**

Customer service analyst

As a customer service analyst my responsibility was to offer commercial and technical support to customers and sales engineers during unexpected production stops. Because most of the customers had plants with high levels of automation that ran 24/7, any technical problem needed urgency in its resolution as they usually involved high financial consequences. I have also worked on improving processes to increase the efficiency of the department considering that time was a crucial aspect of our work tasks.

Jan/11 – Jul/13 **Mauá Institute of Technology (São Paulo, Brazil)**

Student support

I worked as a tutor supporting students in courses such as linear algebra and analytical geometry. This was accomplished by having tutor sections but also by preparing activities and material that could be accessed online. This material was available to students on a distance learning platform (Moodle) which was programmed in LaTeX.

Jun/12 **Scania (São Bernardo do Campo, Brazil)**

Summer internship

This was a 1 month long internship in which I learned about the Scania Production System and observed how it is implemented in their plant. During this period I was also working on understanding and suggesting improvements to the cabin manufacturing line.

Extra courses

Project development	16h
Six sigma and lean manufacturing	20h
Interpersonal relationship and leadership	8h
Conflicts resolution	8h

Language skills

Portuguese	Native language
English	Fluent
Swedish	Basic

Programming language skills

Simulink	Very good knowledge
Ladder	Very good knowledge
Matlab	Very good knowledge
C	Very good knowledge
Delphi	Very good knowledge
LaTeX	Good knowledge
Assembly	Good knowledge
Java	Good knowledge
C++	Basic knowledge

Software knowledge

Autodesk Inventor, SolidWorks	Very good knowledge
Microsoft Office package	Very good knowledge

Driver's license

Type B (Brazil)	Since 2010
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References and grade

References from work places and grades are available upon request.