

# Diego Rosa

## *Application Engineer / Data Scientist*

### **Personal Information**

26 years old, brazilian, single

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### **Languages :**

**Portuguese** - Native  
**English** – Advanced  
**German** – Intermediary  
**Italian** - Intermediary

### **Others:**

TOELF iBT (2013)  
(Educational Testing Service)  
Overall: 95/120  
Reading 23; Listening 24;  
Speaking 22; Writing 25;

### **International Experience:**

**United Kingdom (2014 - 2015)**  
Year abroad and summer  
internship.

**Mediterranean, South Africa and  
South America**  
Development and commissioning  
of integrated alarm, monitoring  
and control systems

### **Skills**

- Agile Methodologies : Scrum ;
- Python ;
- Machine Learning ;
- Exploratory Data Analysis ;
- Communication Protocols ;
- Commissioning ;
- System Integration ;
- Technical Viability Analysis ;
- Technical Scope Development ;
- Technical Proposals Writing ;

### **Profile**

Automatic Control Systems Engineer graduated in 2017. Has international experience in the development and implementation of integrated monitoring systems, data analysis and predictive systems.

**Project Portfolio:** <https://github.com/rpdieego>

### **Professional Experience**

2019 , 7 months – **Application Engineer – Böning Ship Automation, Valinhos, Brazil**  
Solutions development and scope definition based on technical specifications and client needs;  
Commercial and technical proposals writing;  
Business development and project management of the pleasure boats (yachts) department;

#### Highlight solutions:

- Integrated remote monitoring and preventive maintenance predictive system for diesel engines applied to a fleet of fast supply vessels;
- Integrated fuel consumption remote monitoring and real time performance analysis system using positive displacement flowmeters;

2017 – 2019 , 1 years, 8 months **Project Analyst – Böning Ship Automation, Valinhos, Brazil / Lavagna, Italy**  
Development of integrated alarm, monitoring and control systems for yachts and offshore vessels.  
Commissioning of developed projects.

Competences: Measuring point list definition; technical documentation; technical viability analysis; B2C communication; software development; commissioning; system integration; services and after sales.

2017, 9 meses – **Project Department Intern- Boeing Ship Automation, Valinhos, Brazil**  
Development of projects technical documentations, client remote support, analysis and repair of electronic devices used on ship automation.

### **Education**

2020	<b>Data Scientist Nanodegree, Udacity</b>
2012-2017	<b>Automation and Control Engineering, Universidade Federal de Itajubá</b>
2014-2015	<b>Automatic Control and Systems Engineering, University of Sheffield, United Kingdom – Science Without Borders Programme</b> <ul style="list-style-type: none"><li>- Control Systems Analysis and Design</li><li>- Discrete Systems</li><li>- Real Time Embedded Systems</li><li>- Biomechatronic</li><li>- Intelligent Systems</li><li>- Hardware-in-the-Loop and Rapid Control Prototyping</li><li>- System Identification</li></ul>

### **Academic Experience**

2015, 3 months – **Rolls Royce University Technology Centre in Control and Systems Engineering – University of Sheffield, Summer Project, Sheffield, United Kingdom.**

Project on the subject of “Fault detection and diagnosis of dynamical systems”, deriving a method to detect unmeasured events using a Kalman filter based approach.

2016 - **European Project Semester – Universidade Federal de Itajubá on a partnership with Johnson & Johnson**

Project on the subject of “Automation of the blistering machine line”, in order to develop a solution to the high number of injured employees working manually on this production line at the site of São José dos Campos (Brazil).