



# Beatriz Rodrigues

## Process Engineer

📍 Rua da Cachada, Braga Portugal  
✉ beatrizalvesrodrigues3@gmail.com

☎ (+351) 912153293  
📅 15/09/1997  
🌐 <https://bea3rodrigues.github.io/brodrigues/>

## Education

**Integrated Master's in Industrial Engineering and Management (16/20)**

2015- 2021

University of Minho, Braga

## Technical Skills

Methodologies: Lean Manufacturing; Total Productive Maintenance; Lean Six Sigma; ISO 9001

Programming: Visual Basic; Python; SQL

Computer Software: Excel; Autodesk Inventor; SIMIO; Minitab; SAP

## Experience

### Engineering Analyst

April 2022 - current

*Sodecia - Czech Republic*

- Designed a database about Customer Complaints in **SQL** (created tables and corrected data errors).
- Development of Continuous Improvement projects: reduction of inspection hours (-144 hours/year), analysis and reduction of setup time (estimated reduction: -13%) and batch size optimization.

### Professional Internship in Industrial Engineering and Management

Sept. 2021- Jan. 2022

*DST group - Portugal*

- Conducted **internal audits** and provided lean solutions and training, to ensure quality and organization.
- Research and analysis of innovation projects in the post-construction: (1) analysis of causes and costs. of rework and (2) development of a preventive maintenance program.

### Curricular Internship in Industrial Engineering and Management

Nov. 2019 - June 2020

*Amorim Cork - Portugal*

- Evaluation of the impact of a new maintenance activity on productivity, through a **VBA program**.
- Accomplished setup time reduction by 33% and defects reduction by 16% through **SMED** methodology, **parallel machines scheduling** and **andon** normalization.
- Established **autonomous maintenance** activities and developed **standard documents**.
- Reduced reprocessing costs of two products by 79% through machine improvement's (TPM).

## Projects

### Workflow improvement using Lean tools

Sept. 2019 – Nov. 2019

*Refood 100% - Portugal*

- Reduced non-value-added time by 9% by implementing a kanban.
- Workspace organization through **5s** methodology.

### Analysis and improvement of Built-in System Interface area

Sept. 2018 – Jan. 2019

*Aptiv - Portugal*

- Reduced cycle time by 5% through **line balancing** and **simulation**.
- Prevention of workers health risks through the application of **ergonomic tools**: EWA, RULA and MAC.

## Scientific Contributions

[1] SHO, Guimarães: "Ergonomic Analysis of a Fuse Insertion, Press-fit and Test Workstation Using EWA Method - Ergonomic Workplace Analysis"

[2] CISTI, Coimbra: "Corporate memory in the lean context: Preventing short and long-term information loss"