Beatriz **Rodrigues**

Process Engineer

Rua da Cachada, Braga Portugal | (+351) 912153293 | 15/09/1997
beatrizalvesrodrigues3@gmail.com | **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 - 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"