

## Pedro Conceição Costa

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### Objective: Programmer | Developer

#### Summary of Qualifications

A Mechanical Engineering graduate with a specialization in IT Management, currently seeking a career transition into the Web Development field. Fluent in English, with experience in project management, having worked in a large multinational tire manufacturing company. Possesses technical academic knowledge in front-end web development, including responsiveness, layout creation, and page formatting. Proficient in the following languages, technologies, and tools: HTML5, CSS3, Tailwind CSS, JavaScript, TypeScript, Vue.js, React, Bootstrap, C, Python, and SQLite. Demonstrates solid expertise in data analysis, preparation of management reports, monitoring performance indicators, and providing support for decision-making processes. Highly skilled in teamwork, task dedication, results-oriented performance, cost reduction, and process optimization. Organized, responsible, and adaptable.

#### Academic Background

##### **Technical Course in Systems Analysis and Development**

Infnet Institute – Start: July 2024, Expected Completion: December 2027

##### **Bachelor's degree in mechanical engineering**

Salvador University – UNIFACS (2021)

##### **Specialization in IT Management**

International University Center – UNINTER (2023)

#### Computing

Office pack: Intermediary level

System/Tools: HTML5 | CSS3 | JAVASCRIPT | VUE.JS | REACT | BOOTSTRAP | TYPESCRIPT | TAILWIND CSS | REACT | C | PYTHON | SQLITE.

#### Languages

English: advanced

German: basic

#### Professional Experience

**BRIDGESTONE FIRESTONE DO BRASIL** – 06/2019 *until* 12/2023

**Cargo: Mechanical Engineer** – 03/2022 *until* 12/2023

- Expertise in the Mechanical Engineering field, leading a team to implement a maintenance management program in collaboration with Canadian and American teams.
- Responsible for machinery mapping, as well as creating and adding a hierarchical tree of the entire factory area into the system.
- Facilitated communication between local teams and North American teams, assisting in IT team communications, participating in meetings, requesting system adjustments, and setting goals.
- Developed system documentation (tutorials and informational materials) to ensure process compliance and trained the entire team for optimal program usage.
- Conducted risk analysis and developed countermeasures to ensure the system's objectives function properly even in the event of a total failure.

- Created and implemented data spreadsheets to feed the system during installation (machinery, users, types of failures).
- Prepared management reports, monitored performance indicators during system installation, and later developed and tracked manufacturing indicators through the program.

Languages/technologies/tools used: Guide TI, Excel, English.

Main results: (1) Implementation of the Guide TI system to control and manage maintenance assets, activities and resources. (2) Implementation and monitoring of the system. (3) Training of the engineer responsible for implementing the same system at the Bridgestone plants in Campinas and Mafra. (3) Improved data visualization and control. (4) Control over 100% of all maintenance activities, allowing audits to be carried out and ensuring correct application of all company procedures. (5) 15% reduction in total maintenance cost due to better problem analysis.

***Cargo: Mechanical Engineer Intern – 06/2019 a 06/2021***

- Expertise in the Mechanical Engineering area, ensuring that all activities are carried out in accordance with the policies established by Bridgestone Firestone and aligned with the business strategy;
- Responsible for controlling maintenance indicators, such as: Repair time, call classification, machine downtime and cost control, presenting statistical data to interested parties to support decision making;
- Responsible for administrative support to areas related to corrective and preventive maintenance of the warehouse and set-up;
- Management and control of maintenance documents, ensuring proper storage of physical and digital documents;
- Responsible for carrying out maintenance events (charity projects and internal events) of small, medium and large sizes;
- Responsible for direct support to corrective and preventive maintenance supervisors by requesting and controlling purchases of parts and services.

Main results: (1) Implementation of maintenance controls for indicators, preventive activities, purchase requisitions for parts and services. (2) Development of an engine overhaul contract, resulting in cost and time savings in this process. (3) Implementation of call analysis systems.

**Complementary Projects and Activities**

**UNIFACS: Universidade Salvador - 2019:** Participation in the study and research project on hybrid and electric cars; Research on plug-in hybrid cars; Study on the emission of pollutants.

**UNIFACS: Universidade Salvador - 2018:** Participation in the Baja SAE Project as a member of the Mandacaru Baja Team; Data collection and analysis; Digital marketing; Staff of the Baja Week event.

**UNIFACS: Universidade Salvador - 2018:** Volunteer participation in mechanics laboratories; Training in the use of machinery (lathe, drill, saw and milling machine); Assistance in carrying out mechanical tests and production of specimens; Realization of projects of parts through the Solidworks platform.

**UNIFACS: Universidade Salvador - 2017:** Voluntary monitoring of the Mechanical Physics discipline.

**Key Words:** web programming, web development, system development, software development, requirements gathering, solution development, user creation, contingency plan, corrective actions, HTML5, CSS3, Javascript, Vue.js, React, Bootstrap, Guide TI, SAP, data analysis, management reports, indicators, process analysis, process improvement, process optimization, mechanical engineering, technology, maintenance, front end, responsiveness, layout creation, page formatting, C, Python, SQL.