Pedro Henrique Valderrama Bento da Silva

Control and Systems Engineer

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📍 Florianópolis, Brazil

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Master in Automation and Systems Engineering performing activities in research and development in the field of process optimization, algorithms and data analysis. I am very interested in technology and systems development for solving industrial problems.

WORK EXPERIENCE

Project Engineer
Smarttcon Condominios Inteligentes

07/2017 – 01/2018   *Maringá/PR*

Achievements/Tasks

- Development of projects electrical panels for home automation.
- Introduced project management techniques into company processes.
- Elaborated building automation solutions.
- Conducted reports for condominium technical analysis, needs assessment and feasibility.

Engineering Intern
Seebot Soluções Inteligentes

08/2015 – 12/2016   *Maringá/PR*

Achievements/Tasks

- Performed preparation of technical documentation of projects.
- Supported the development of electronic equipment.
- Developed programs and applications for smart urban semaphorization.
- Elaborated CAD projects for industrial area.

EDUCATION

Master in Automation and Systems Engineering
Universidade Federal de Santa Catarina

02/2018 – 07/2020   *Florianópolis/SC*

MBA in Project Management
Fundação Getulio Vargas - FGV

03/2017 – 08/2018   *Maringá/PR*

Degree in Control and Automation Engineering
Centro Universitário de Maringá - Unicesumar

01/2012 – 12/2016   *Maringá/PR*

SKILLS

Data analysis   Process Optimization

MATLAB   Julia   Python

Team work   Project management

Office pack

LANGUAGE

Portuguese
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English
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PROJECTS

Research Internship:
Strategies for Static and Dynamic Optimization of Marine Production Systems of Oil and Gas.

Partnership between UFSC and Petrobras

02/2020 – 07/2020   *Florianópolis/SC*

Tasks

- Identification of requirements for tuning simulators.
- Defining the integrated optimization problem platform production.
- Implementation of optimization strategies for integrated production of Santos platforms.
- Implementation of an algorithm for tuning well simulator.