

LUIS FELIPE ARAÚJO BOTH



Control and Automation Engineer. Seeking to use my abilities in coding and debugging to meet the business needs.

CONTACT

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SKILLS

Programming

Python	●●●●●
C#	●●●●●
.Net	●●●●●
Shell Script (e.g. bash, sh, ...)	●●●●●
JavaScript	●●●●●
HTML5	●●●●●
CSS3	●●●●●
(Grid, Flexbox, Bootstrap)	●●●●●
RestAPI	●●●●●
Java	●●●●●
C, C++	●●●●●
SQL	●●●●●
LaTeX	●●●●●

Operating Systems

Windows ●●●●●

Linux ●●●●●

MacOS ●●●●●

Software & Tools

Visualisation (e.g. matplotlib, mayavi, ...)	<div><div></div><div></div><div></div><div></div><div></div></div>
Data handling/analysis (e.g. numpy, pandas, h5py, ...)	<div><div></div><div></div><div></div><div></div><div></div></div>
Machine Learning (e.g. scikitLearn, ...)	<div><div></div><div></div><div></div><div></div><div></div></div>
GUI Package (e.g. PyQt5, Windows Forms, ...)	<div><div></div><div></div><div></div><div></div><div></div></div>
Git	<div><div></div><div></div><div></div><div></div><div></div></div>
Jira	<div><div></div><div></div><div></div><div></div><div></div></div>
Scrum Agile	<div><div></div><div></div><div></div><div></div><div></div></div>
Microsoft Office	<div><div></div><div></div><div></div><div></div><div></div></div>
AutoCAD	<div><div></div><div></div><div></div><div></div><div></div></div>
MATLAB/Simulink	<div><div></div><div></div><div></div><div></div><div></div></div>

Languages

Portuguese
English
Spanish

ABOUT ME!

Worked as software developer at Fraunhofer IPT in Germany using C# and Python as core programming languages, as well as visualization tools. I'm currently gathering experience integrating agriculture and technology. My main skills are C#, Python, Data handling and Data visualization tools, but not limited!

WORK HISTORY

04/2024 - Actual Ponta Porã - Brazil Precision Farming Projects Developer

Development of controlled traffic flow with AutoCAD Civil 3D and AgroCAD;
Draw of parallel lines for GNSS receivers.

11/2021 - Actual
Ponta Porã - Brazil

Management of seeding and harvesting operations;
Administration and control of spraying operations;
Project and implementation of season workflow.

10/2019 - 09/2021
Fraunhofer IPT,
Aachen - Germany

Student Assistant at Intelligent
Process Monitoring

HMI programming with Python, C# and .Net;
Machine Learning and Data Analysis;
Software development for communication between CNC machines and CPUs.

05/2019 - 09/2019
Hexagon Agriculture,
Florianópolis - Brazil

General programming with Python, JavaScript, C++ and Shell Script;
Support on On-board computers;
System and Report analysis.

12/2018 - 03/2019
Snowshoe Ski Resort Rental Technician

▼ SHOWSNOG SKI RESORT,
West Virginia - USA
Summer work and Travel Exchange Program.

08/2013 - 12/2015
CAECA - Academic Center of Control Vice-Manager of Events

▼ CAECA Academic center of control and Automation Engineering
Volunteer work at college.

EDUCATION

12/2022
 UFSC - Federal University of
 Santa Catarina, Florianópolis - Brazil

📅 12/2012
📍 MACF School, Ponta Porã - Brazil

PUBLICATIONS

- Feature selection for predicting milling tool condition by using machine learning methods.

CERTIFICATES

- The complete Python Bootcamp from Zero to Hero in Python.
- The Complete 2023 Web Development Bootcamp.
- PROJETOS 123 2.0 - Projetos de Agricultura de Precisão.
- Tecgraf Agro - Sistematização de Culturas com AgroCAD.

PERSONAL SKILLS

Teamwork

Honest

Punctual

Loyal

Written Communication

Verbal Communication

Motivated

Curious

Willingness to Learn

Self-Learning

Proactive

Dedicated

Flexible

Reliable