LUCAS ANTÔNIO OLIVEIRA RODRIGUES

PH.D. ENGINEER | DATA SCIENTIST

Ph.D. Mechatronic Engineer, Data Scientist and Technology enthusiast, with both professional and academic experience. Business Analyst for 3 year and researcher for the last 5 years. Acquainted with agile methodologies, self-taught, and proficient in several programming languages and technologies. Experiences as freelancer in IoT projects and as programming instructor.

CONTACT

Uberlândia, MG

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SKILLS

- Machine Learning
- Agiles
- C/C++
- C#
- Power BI
- Python
- Microsoft Office
- Pandas/Scikit-Learn
- SQL

LANGUAGES

- Portuguese
- English
- Spanish

Resume built in VueJS.

EXPERIENCE

Reasearcher - Federal University of Uberlândia
2015 - 2020

Ph.D researcher of the Robotics and Automation Laboratory, working with the following main topics:

Development of rehabilitation robotic structures for human gait recovery in post-stroke patients;

Optimizatin of robotic and mechanical systems appling machine learning techniques;

Data integration systems between robotic structures and virtual serious games applied in rehabilitation protocols.

Educational robotics and programming instructor - HappyCode
2017 - 2017

Teacher and instructor for kids and teenagers of the following topics:

Game development applying Unity 2D/3D, C# and Java;

Drones and educational robots;

Business Analyst - Algar Tech
2012 - 2015

Development of corporative solutions on Telecominucations services and infrastructure. Responsible for price formation, requirements documentations and business case development for government and private companies.

Local network, IP phones and workstation infrastructure projects;

Firewalls e Data Storage solutions;

Professional Services;

Install and maintenance projects of optical fiber transmission systems;

Cisco Equipments solutions.

Marketing team member, Marketing Director - META Consultoria - Junior Company
2008 - 2010

Responsible for the external communication of the company and for the internal with the academic community, events and workshop organizations. Leader of a team with 4 co-workers and member of the Directive Council of the junior company.

EDUCATION

Ph.D in Mechatronics Engineering - Federal University of Uberlândia

2017 - 2020, Development of a novel active bodyweight support for human gait rehabilitation applying machine learning and computational methods for optimization.

Master in Mechatronics Engineering - Federal University of Uberlândia

2015 - 2017, Development of nonmotorized structures for human lower limb rehabilitation applying machine learning and computational methods for optimization.

Graduation in Mechatronics Engineering - Federal University of Uberlândia

2008 - 2014, A mixed graduation course combining skills from Mechanical Engineering, Electric Engineering and Computer Science.

PROJECTS

Data Analysis on Open Data Sets

2020, Independent studies, courses projects and online challenges on Data Science common topics.

Freelancer Consultant in microcontrollers and IoT Solutions

2017, Projects developed for a small IT Agribusiness Company in the following topics:

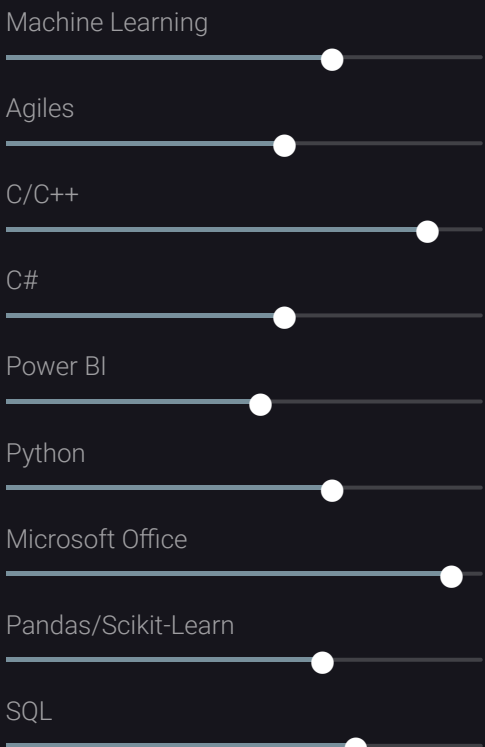Realtime biometric registering for employees using microcontrollers;

Development of a smart scale for ration stock control;

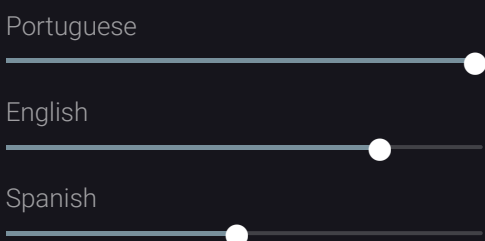Development of a communication protocol over mobile internet shield between microcontrollers and the main database.