

Edivagner Ribeiro

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Profile

Passionate and enthusiastic software engineer and developer. Strong communication skills developed through instrumentation projects supervision and automotive industry experience. Seeking a challenging role in the tech industry to apply techniques and eager to learn and grow with new technologies in a dynamic work environment.

Key Skills

- Programming and technologies: Java, Python, Visual Studio, IntelliJ IDEA and Elipse IDEs, HTML, TypeScript and JavaScript, CSS, Angular, Ionic, JUnit testing framework, SQL, MySQL, LabVIEW, and MATLAB.
- Computer Networking: working knowledge of protocols including Ethernet, Wi-Fi, TCP/IP
- I have a strong capability in problem-solving. I have experience conducting simulations, analysing data, validating designs, and performing testing, which has helped me develop this skill.
- My communication skills are also strong. I have developed transferable skills in communication through collaborating with others on projects and supervising interns.
- I am a team player, and I have shown evidence of this through my experience as an engineer and working with students.

Work experience

Engineer | Valeo, Spain

Feb 2019 to Jul 2020

Valeo *Iluminación* is a division of Valeo, a global automotive supplier that specialises in advanced lighting systems for cars.

- Supported a product manager by assessing designs, simulations and proposals from customers to develop feasible and robust optical systems for forward lighting applications.
- Conducted CAD simulations, geometry analysis, and luminous output evaluations to ensure designs met legal, internal and customer requirements.
- Validated design simulations to ensure production output met quality standards.
- Conducted photometric testing on production parts and performed new simulations for any necessary adjustments.

Research Engineer | University of Coimbra - UC, Portugal

Oct 2010 to Jan 2019

The CfisUC is a Research Institute in the Physics Department, with research groups interested in materials characterisation and instrumentation development.

- Upgraded and calibrated a cryogenic AC Susceptometer and studied physical properties with a focus on thermoelectric properties of superconducting materials.
- Supervised two instrumentation projects and a summer internship with five students on instruments calibration and instrumentation prototype development projects.
- Conducted R&D laboratory instrumentation with control and automation for the characterisation of materials applying to hydrogen storage.
- Developed software using LabVIEW for data acquisition and automation and used theoretical models and simulations with Matlab for analysis.

Education

Atlantic Technological University - ATU Galway,

Higher Diploma Computer Science in Software Development

Jan 2022 - Present

- Completed a mix of theoretical and practical components to develop skills in software development techniques and programming languages.
- Gained hands-on experience in network technologies, database design and development, web applications development, Agile, mobile applications development, operating systems and cloud computing, advanced object-oriented software development, and algorithms.
- Developed transferable skills in analysis, communication, and independent learning.

University of Coimbra - UC Portugal,

PhD Physics Engineering

Oct 2010 - Feb 2016

- Specialised in instrumentation and software development for control and automation with LabVIEW and Python.
- Developed skills in data analysis and algorithm development using MATLAB.

State University of Northern Rio de Janeiro - UENF Brazil,

MS Petroleum Engineering and Exploration

Mar 2008 -Feb 2010

- Gained experience in algorithm development for data analysis using MATLAB.

Federal University of Mato Grosso - UFMT Brazil,

BS Physics

Aug 2003 - Dec 2007

ADDITIONAL INFORMATION

IBM Data Science Professional Certificate - Coursera - 2021

- Data science methodology
- Tools for data science
- Python project for data science
- Python for data science and AI
- Data analysis with Python
- Machine learning with Python
- Data visualisation with Python
- Databases and SQL for data science with Python

Language

- English — fluent
- Spanish — proficient
- Portuguese — native

Interests & hobbies

- Stay up-to-date with science and new technologies
- Martial arts, especially Judo
- Enjoy watching movies and play RPG games
- Cooking memorable dishes for my family.