

# Vinício Oliveira

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## Skills

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**Programming:** Python, R, HTML, javascript, PHP

**General:** TIBCO Spotfire, Software Development, Data Visualization, Machine Learning, Deep Learning, Life Sciences

## Experience

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**TIBCO Spotfire Consultant**, BinarySeason – Portugal - Remote Jul 2021 – Oct 2022

- Developed interactive analysis dashboards with TIBCO Spotfire for the pharma industry, according to requirements from the different stakeholder groups. Used IronPython to drive the document behaviour and interactivity, HTML and javascript to create dynamic and easy to use user interfaces, SQL together with out of the box functionality from Spotfire to retrieve data and R language to perform additional data wrangling as necessary.

**Sr Software Development Engineer**, PerkinElmer – Tres Cantos, Madrid Apr 2020 – Dec 2020

- Contributed to the research and development of applications for High Content Screening using TIBCO Spotfire, mainly with R as the analytical engine and increased participation in programming with C#, resulting in the creation of new Proof of Concepts and new applications, having a higher responsibility with the same.
- Participated in code reviews allowing to further develop my capabilities with C# programming and increased contribution to the team.
- Collaborated with the QA team to perform BDD testing, contributing to a more agile development and swifter testing cycles.

**Software Development Engineer**, PerkinElmer – Tres Cantos, Madrid Aug 2016 – Apr 2020

- Integrated the R&D team for the implementation of R analytical methods for High Content Screening applications under the TIBCO Spotfire platform.
- Developed Proof of Concepts of new applications using IronPython to drive document behaviour by using the platform's API and R as the analytical engine.
- Initial contributions using the C# programming language to develop fully independent extensions to the Spotfire platform, going from Proof of Concept to deployed application. Additionally had initial exposure to code reviews.

**Inov Contacto Intern**, PerkinElmer – Tres Cantos, Madrid Feb 2016 – Jul 2016

- Developed a project on Heterogeneity Assessment in cell populations. As an intern from a highly selective internship program, [Inov Contacto](#), inserted in the Research and Development team, developed a proof of concept using TIBCO Spotfire platform and the R language, resulting in a dashboard with an end-to-end workflow on assessing heterogeneity.

## Education

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[Universidade do Minho](#) – Msc in Bioinformatics Sep 2012 - May 2015

[Universidade do Minho](#) – Bsc in Biochemistry Sep 2009 - Sep 2012

[Università degli studi di Milano Statale](#) – Erasmus student (Bsc in Biochemistry) Feb 2012 - Jul 2012

**Deep Learning by DeepLearning.AI on Coursera** - [certificate](#) Mar 2024

**Machine Learning by Stanford University & DeepLearning.AI on Coursera** – [certificate](#) Nov 2023

[Instituto do Emprego e Formação Profissional](#) – Vocational Qualification in Web Development Dec 2022 - May 2023

## Languages

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**Portuguese** - Native

**English** - Proficient

**Spanish** - Advanced

**Italian** - Intermediate