

Jessica Temporal

Python Developer, Data Scientist and Bachelor in Biomedical Informatics

about

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gmail.com
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languages

bilingual
portuguese/english

programming

Python
Go, R
Java, C, C++

experience

- 15–2017 ongoing **Nuveo Software** Nuveo
Developer & Data Scientist
Implementing new features and maintaining the Nuveo product. In-house software that automates the processes of capturing, interpreting and managing documents thus significantly reducing the time for analysis of contracts, invoices, payments, certificates, records and a number of other documents
- Technologies used: Python, Go, Docker, PostgreSQL, Selenium, Git, CI, CD, Linux, Windows
- 09–2017 12-2017 **Identify Service Tax Debtors** Data Science Brigade
Data Scientist & Developer
Build a system capable of automatically identifying debtors of the Tax over Service in cities using both private and public data
- Technologies used: Python, Jupyter Notebooks, Docker, PySpark, R, Google Cloud Storage, PostgreSQL, Scrapy
- 01–2017 12-2017 **Serenata de Amor Operation** Data Science Brigade
Data Scientist & Developer
Maintain and implement new features on Rosie, the project's AI capable of identifying unlawful expenses, and on Jarbas, an online dashboard for data visualization.
- 216 politicians reported for the possibly illegal use of 378k Brazilian reais (123.5k USD) in the first week of reports
 - Largest technology crowdfunded project in Brazil
 - Technologies used: Python, Jupyter Notebook, Django, Docker, Git, Digital Ocean
- 02–2016 08-2016 **Administrative Software** Hippo Drs
Python Developer Intern
Hippo Drs is a technology in health care start up. As an intern, I was responsible for the development and implementation of Hippo Drs platform functionalities. Initially as full-stack developer and later more focused on back-end tasks
- Hippo Drs. project involved the use of Python, Django, MySQL, NGINX, API Rest, Git, Linux and automated deployment and tests

education

- 02-2011 02-2016 **Bachelor in Biomedical Informatics** Ribeirao Preto, SP - Brazil
University of Sao Paulo
Inter-unit course aimed to train professionals in three major areas: Bioinformatics, Medical Images Processing and Medical Administrative Systems
- Undergraduate research student in Natural Language Processing - 2016
 - Biomedical Informatics Student Body President - 2014
 - Volunteer at the X Bioinformatics Summer Course - 2014

06-2015 01-2016 **Bioinformatics research student**

Ribeirao Preto, SP - Brazil

University of Sao Paulo

- Omics Laboratory: Participated as data scientist in STEM Cells research analysing microRNA expression in meningioma cancer cells. The projects mainly used R, cloud computing, Linux and Git as resources
- Hematology Laboratory: Participated as data scientist in gene expression research that resulted in co-authoring paper on "Role of TAM in post-sepsis tumor progression" (January 2016)
- Bioinformatics summer internship at Weill Cornell Medical - July 2015

technologies and interests

Data Science, Pandas, NumPy, Big Data, Open Source, VIM, Git, Linux, MySQL, PostgreSQL, Django, REST APIs, TDD, Machine Learning, Docker, PySpark, Jekyll

projects

- 11-2017 ongoing **Pizza de Dados** pizzadedados.com
A podcast that address data science and related subjects in Portuguese
- 07-2016 12-2016 **Jessie - NLP pipeline** Ribeirao Preto, SP - Brazil
jtemporal.com/jessie/
Final graduation project: analysed and made public a collection of Portuguese tweets that mentioned four diseases with major impact on the Brazilian health scenery
- 2 trained POS-taggers were made available
 - Validation of a base method natural language processing with tweets in Portuguese

talks

- 10-2017 **Serenata de Amor: Inteligência artificial usando dados abertos governamentais**
2017.pythonbrasil.org.br Belo Horizonte, MG - Brazil
Talk at Python Brazil
- 09-2017 **Serenata de Amor: Tracking Congress People's Expense Claims in Brazil**
civictechfest.org Taipei - Taiwan
Talk at CivicTechFest - TicTeC@Tapei

volunteer

- 09-2016 02-2017 **PyLadies** Ribeirao Preto, SP - Brazil
Helped initiate a PyLadies chapter in Ribeirao Preto city
- 2016 - 2017 **Caipyra - Organizing Comitee** pug Ribeirao Preto, SP - Brazil
Caipyra is a Annual Python-'focused' event organized by Ribeirao Preto's Python community 2016.caipyra.python.org.br
- 10-2016 **Coach** Django Girls Florianopolis, SC - Brazil
At the workshop I was responsible for three atendees