Jessica**Temporal**

Python Developer, Data Scientist and Bachelor in Biomedical Informatics

about

Sao Paulo, Brazil
+55 16 99229-8700

jessicatemporal at
gmail.com
jtemporal.com
github: jtemporal

languages

bilingual
portuguese/english

programming

Python
R
Java, C, C++

experience

09–2017 ongoing   **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 ongoing   **Serenata de Amor Operation**   Data Science Brigade
Data Scientist & Developer
It's an open source and open data project with great traction in the tech community. The project combines Machine Learning, Data Science and Agile methods to build an AI capable of identifying unlawful expenses

- 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

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

education

02-2011 02-2016   **Bachelor in Biomedical Informatics**   Ribeirao Preto, SP - Brazil
University of Sao Paulo
Inter-unit course School of Medicine of Ribeirão Preto and School of Philosophy, Sciences and Literature of Ribeirão Preto aimed to train professionals in three major areas: Bioformatics, Medical Images Processing and Medical Administrative Systems

- Undergraduate research student in Natural Language Processing - 2016
- Biomedical Informatics Student Body President - 2014
- Biomedical Informatics Student Body Director of communications - 2013
- Volunteer at the X Bioinformatics Summer Course - 2014

06-2015 01-2016	**Bioinformatics research student**	Ribeirao Preto, SP - Brazil

Omics Laboratory - University of Sao Paulo

- Participated as data scientist in STEM Cells research
- Analysed microRNA expression in meningioma cancer cells
- The projects mainly used R, cloud computing, Linux and Git as resources

06-2015 01-2016	**Bioinformatics research student**	Ribeirao Preto, SP - Brazil

Hematology Laboratory - Hospital das Clinicas

- Co-author in a Role of TAM in post-sepsis tumor progression paper published on January 2016, mainly contributing by developing scripts to analyse gene expression data
- Bioinformatics summer internship at Weill Cornell Medical - July 2015

projects

11-2017 ongoing	**Pizza de Dados**	podcast.datascience.pizza

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/

Jessie is my final graduation project, it's main objective is to analyse and make 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	**Organizing Comitee Member**	pug Ribeirao Preto, SP - Brazil

In 2016, Caipyra was a four days Python-'focused' event, with other subjects and languages appearing in talks as event 'guests', in the spirit of welcoming different development tools and practices to the community. In the second edition (2017) Caipyra grew and had a Django Girls edition as pre-event. 2016.caipyra.python.org.br

10-2016	**Coach**	Django Girls Florianopolis, SC - Brazil

Django Girls is a free, one day event, organized by volunteers from the Django Girls community. At the event I was responsible for three atendees of the Florianopolis edition