Henrique Cursino Vieira

Data Scientist

📱 +55 11 96920 3633

🌐 http://vision.ime.usp.br/~ henrivieira

✉ enrikevieira@gmail.com

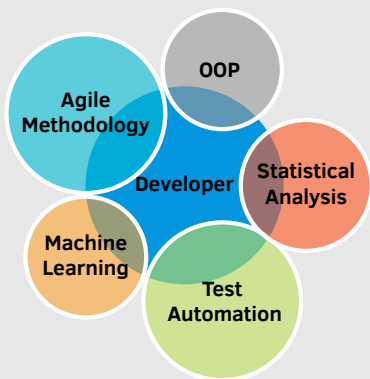in /in/henrique-cursino-vieira-4732bb26

github.com/henriquevieira

Skills

Overview

Developer

R • Perl • Java

Shell script • Python • JS

Shiny • Django • Hibernate

SQL • XP • Scrum

Data Scientist skills

Quantitative analysis • Machine learning

Experimental design and analysis

Bioinformatic tools

Generating hypotheses

Weighted Correlation Network Analysis

Personal profile

I am dedicated, considerate and available for new functions and challenges. I have good interpersonal relationships, dynamics, flexibility. I try to be always updated for my personal and professional improvement. I like to solve challenges of any nature, I appreciate the search for new answers and new points of view.

Education

| 2012 - 2016 | **MSc., Bioinformatic** | University of São Paulo, Brazil |
| 2007 - 2010 | **BS., Information Systems** | University of São Judas Tadeu, Brazil |

Research

2012 - 2016 **MSc. Bioinformatic** University of São Paulo

Thesis: Development of a pipeline for genomic DNA methylation analysis

In this work, I present the pipeline developed for the analysis of data obtained from the infinium humanmethylation450 beadchip. We compared our methodology with the main methods of analysis used and obtained significant results that corroborate with biological significance.

- **Thesis Advisors**: Helena Brentani, Ph.D.
- **Tools**: R

Experience

Nov 2016 - Present **Bioinformatician** LETA - CeTICS

- Development of tools for data analysis of RNA Seq for the application CeTICSdb. Assembly of the transcriptome of the species Bothrops Jararaca. Creation of tools and pipelines in bioinformatics and maintenance of Dell servers.

Jan 2015 - Nov 2016 **Java Backend Developer** Looplex

- Development of looplex application of lawtech startup Looplex. Application of Scrum methodology and automation of tests for rapid development.

Oct 2012 - Dec 2014 **Master's degree with scholarship** Instituto de Psiquiatria do Hospital das Clínicas de São Paulo

- Development pipeline and analysis of methylation data in microarray.

Competencies

- Advanced School in Big Data Analysis, CeMEAI - USP - 48h (Jul. 2017)
- SHIFT Big Data Science - Machine Learning and Data Mining, FIAP - 32h (Jun. 2016)
- Scientific Writing Course, USP - 8h (Sep. 2013)
- Language course - English, CNA (Dez. 2011).
- Language course - Japanese, Kumon (Dez. 2009).