Henrique Cursino Vieira

Data Scientist

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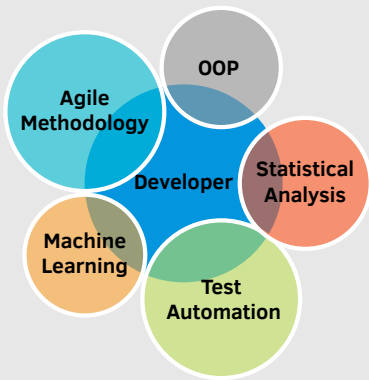� github.com/henriquevieira

Skills

Overview

Developer

R • Perl • Java

Shell script • Python • JS

Shiny • Django • Hibernate

XP • Scrum

Research skills

Statistic analysis • Machine learning

Bioinformatic tools

DNA Methylation Analysis

RNASeq Analysis

Weighted Correlation Network Analysis

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

Publications

Maschietto M, Tahira AC, Puga R, Lima L, Mariani D, da Silveira Paulsen B, Belmonte-de-Abreu P, Vieira H, Krepischi AC, Carraro DM, Palha JA. Co-expression network of neural-differentiation genes shows specific pattern in schizophrenia. BMC medical genomics. 2015 May 16;8(1):23.

de Araújo ÉS, Marchi FA, Rodrigues TC, Vieira HC, Kuasne H, Achatz MI, Moredo LF, De Sá BC, Duprat JP, Brentani HP, Rosenberg C. Genome-wide DNA methylation profile of leukocytes from melanoma patients with and without CDKN2A mutations. Experimental and molecular pathology. 2014 Dec 31;97(3):425-32.

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 (Jul. 2017)
- SHIFT Big Data Science - Machine Learning and Data Mining, FIAP (Jun. 2016)
- RNA-SEQ Analysis, UNICAMP (Jul. 2014)
- Scientific Writing Course, USP (Sep. 2013)
- Language course - English, CNA (Dez. 2011).
- Language course - Japanese, Kumon (Dez. 2009).