

Hugo PEREIRA

Software Engineer



/in/pereirah



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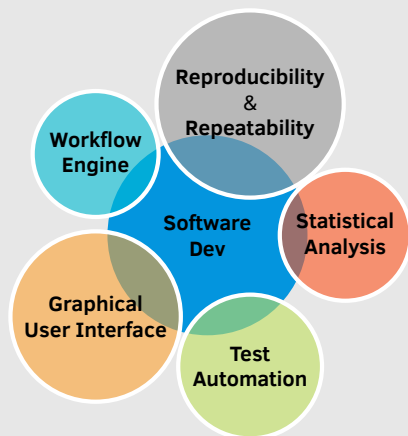


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Skills



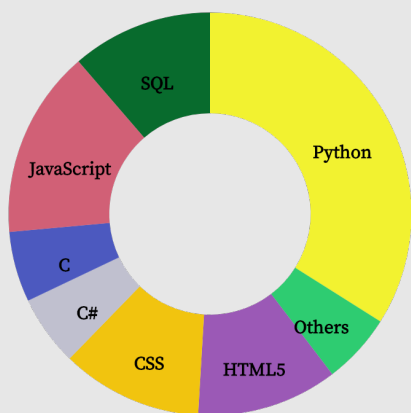
Interests

GUI Development

Software Development

Statistical Analysis

Programming Languages



Languages

English

B2

Portuguese

bilingual

French

native

Personal Work

- 03/18-Now
- Create Your Story: this MEAN stack app stimulate your imagination, get some random words by letters or category. Use of RESTful api. [AngularCli, Nodejs, MySQL, MongoDB]
 - Portfolio website. [Python(Django), HTML, d3JS, CSS]
 - Turtle app: this program draws a picture following the given pattern. [C#]
 - AnalyzingPings app: this app connects and analyses the connection between your computer and several DNS in a selected country. [C#]
 - Snakemake tutorial, with this tutorial you will learn about workflow engine. [Python, Snakemake, Bash]

Work Experience

- 05/16-11/17 **Research Engineer in Bioinformatics** *CEA - LABGeM, FR*
NGS workflow modification and improvement. Benchmarking of all workflow engines. Creation of a web GUI for the platform NGS services.
-Bash, Python, C, JavaScript, R, PHP, HTML, Git, SVN, workflow engine, user requirements gathering.
-Lead by S. Cruveiller, D. Vallenet
- 02/15-07/15 **Master's Degree - 2nd year Internship** *IRHS - INRA, FR*
Interface development of a new clustering tool for Co-Regulated Genes Identification (CoRGI). Translation from VBA to R and JavaScript of new clustering method.
-JavaScript (Qooxdoo framework, library D3JS), Python & R computing, Git, user requirements gathering, tools for large datasets.
-Supervised by S. Pelletier, J-P. Renou and S. Gaillard
- 03/14-06/14 **Master's Degree - 1st year Internship** *IPBS, FR*
Construction of directed genetic networks, with the WGCNA method, involved in the support function of hematopoietic stem cells.
-R computing, use of database and analysis tools such as Genomatix & miRTrail.
-Supervised by C. Durand and P. Charbord

Extracurricular activities

- 12/14-07/18 **Administration board member** *RSG France - JeBiF*
Organisation of meetings between students and professionals.
- 2015 & 2017 **Poster presentation** *JOBIM*
MICROSCOPE: an integrated platform for the Exploration and Curation of Microbial Genomes
Interface development of a new clustering tool for Co-Regulated Genes Identification (CoRGI).

Education

- 2013-2015 **Master's Degree in Bioinformatics** *Paris Diderot University, FR*
Master's Degree in Computing Biology/Bioinformatics.
- Main subjects: Genomics, Systemics, Proteomics, Statistics, Data Analysis, Computing Project, Literature Review, Video Making.

Interests

