

Vincent Emonet

Semantic web design engineer

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Experiences

- January 2015 to July 2017 **Computer science design engineer - Ontologies & Semantic Web,**
CNRS - Laboratory of Informatics, Robotics and Microelectronics of Montpellier, France.
- Administration and new features development on *bioportal.lirmm.fr* and *agroportal.lirmm.fr* platforms, used for ontology storage, exploration and text annotation (Ruby on Rails & Java): github.com/sifrproject
 - Kept compatibility with main version of the NCBO BioPortal (tests)
 - Packaged, integrated and documented Natural Language Processing programs, available at *advanse.lirmm.fr* (Java, AngularJS, Linux administration): gite.lirmm.fr/advanse
 - Enhanced and packaged the YAM++ ontologies matching tool (Java): gite.lirmm.fr/opendata
 - Developped a web interface for ontologies mappings validation (JEE) : *yamplus.lirmm.fr*
- 03/2014 to 09/2014 **Bioinformatics design engineer - Biomedical data processing,**
Université de Laval, Québec, Canada.
- Development of web services to access biomedical data in the RDF format for the *bio2rdf.org* project: github.com/bio2rdf/bio2rdf-rest
- 06/2013 to 09/2013 **Developped components for the Talend ETL for the Semantic Web (Java):** github.com/vemonet/talend4sw
- Converting biomedical databases to RDF format (PubMed, neXtProt) using Talend ETL and Java
 - Set up a Hadoop platform for Big Data on CentOS server
- June 2012 to August 2012 **Intern in bioinformatics in an ecology research laboratory,**
University of California, Berkeley, USA.
- Developped DNA sequence analysis programs using Python 2.7
 - Set up an Amazon Web Service machine image based on Linux

Education

- 2012 – 2014 **Master degree, Physiology, biotechnology and informatics,** University of Poitiers, France, Biotechnology.
- 2011 – 2012 **Bachelor's degree, Bioinformatics,** University of Poitiers, France, Biotechnology specialization.
- 2009 – 2011 **Technical College Diploma, Bioengineering,** Toulon, France, Biology and biochemistry analysis.

Publications

- Platforms
 - HAL: https://hal.archives-ouvertes.fr/search/index/q/*/authFullName_s/Vincent+Emonet
 - dblp: <http://dblp.uni-trier.de/pers/hd/e/Emonet:Vincent>
- LIRMM
 - Anne Toulet et al., **Metadata model in an ontology portal** (french), 2016
 - C. Jonquet et al., **Reusing the NCBO BioPortal technology for agronomy to build AgroPortal**, 2016
 - A. Annane et al., **Multilingual Mapping Reconciliation between English-French biomedical ontologies**
- Bio2RDF
 - M. Dumontier et al., **Bio2RDF Release 3: A larger, more connected network of Linked Data for the Life Sciences.** *International Semantic Web Conference*, 2014

Skills

- Languages Java, Ruby (on Rails), HTML, JavaScript, CSS, SQL, Regex, Python
- Web RDF, SPARQL, ontologies (OWL, SKOS, OBO, UMLS), RESTful API, Big Data (Hadoop), JSON, XML
- Tools Git, Linux (Shell, Debian, RedHat), Docker, ETL Talend et méthodologie Agile
- Biology Notions in biotechnology, genetics, biochemistry and physiology

Languages

- English TOEIC Score 2014: 935. 5 months in the USA. Active participation in discussion, reading and writing documents
- Spanish Basic notions for communication

References

LIRMM lab

- Computer science researchers
- Clément Jonquet (jonquet@lirmm.fr)
 - Zohra Bellahsene (bella@lirmm.fr)
 - Jérôme Azé (jerome.aze@lirmm.fr)

Bio2RDF project

- François Belleau,
bio2rdf.org project co-founder
(francois.belleau@gmail.com)

UC Berkeley

- Adam Retchless,
bioinformatics researcher
(adam@retchless.us)