7 rue du Dahlia
34000 Montpellier, France
📞 +33 6 75 72 59 52
✉ vincent.emonet@gmail.com
🖥 https://vemonet.github.io
🌐 vemonet
in vincent-emonet
13/11/1991 – Driving License

Vincent Emonet

Semantic web design engineer

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*
- Developed a web interface for ontologies mappings validation (JEE) : *yamplusplus.lirmm.fr*

03/2014 to 09/2014 & 06/2013 to 09/2013	**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*
- Developed 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.

- Developed 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 biochimistry 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

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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)