PERSONAL INFORMATION	Dr. Ghislain Auguste Atemezing

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POSITION	Senior Consultant - Semantic Data Engineering

WORK EXPERIENCE

2015–Present

Research & Development Director

MONDECA, Paris (France)

Responsible for Mondeca's vocabulary engineering practices (data modeling, linked open data scraping, data transformation into semantic standards).
Support to Development Team and Product Owners in advanced improvements in internal tools
Consultant for all Research activities within the company
Company representative in semantic standardization organizations
Speaker in national & international conferences
Leader of the Mondeca Labs initiatives: http://labs.mondeca.com/
Administrator & curator of the Linked Open Vocabularies portal: http://lov.okfn.org/dataset/lov/

Key Projects

EU Publications Office – Triple Store performance benchmark study

Deployment, tests, performance assessment and benchmark of 7 RDF stores for Publication Office based on the EU Publications Office datasets (>1 billion triples) and SPARQL queries.

Airbus – Integration of semantic technologies in operational digital projects

Ontology modeling and matching techniques to improve the detection of Operational Interruptions gathered from different companies.

Proof of concept showing the benefits of semantic technologies in the aerospace domain, such as enterprise methodology for data modelling, capturing and reasoning in different scenarios to build a data exchange hub (DEH) for internal applications.

Open Food System (OFS) – Semantic Annotation and Reasoning

Tagging and reasoning over millions of food recipes using semantic web technologies and NLP techniques. The output of this project is at the heart of the next generation of small cooking equipment at SEB group.

DILA - French Government publisher of legal and administrative information

Semantic Annotation, evaluation and visualization of the public debates of French Politicians in the last 30 years.

FIORA - Semantic recommendation system for e-Tourism

Research project for the implementation of a recommendation system for tourism domain based on users' aspirations and input.

2011-2014

Researcher

EURECOM, France

Thesis Title: "Publishing and Consuming Government Linked Data on the Semantic Web"

Challenges: (i) Provide significant contributions on modeling and publishing geographic data on the web and (ii) implement a framework to visualize datasets based on topic discovered by mining techniques over RDF.

Advisor: Dr. Rapha˙el TRONCY

2011 Junior Researcher

Ontology Engineering Group (OEG), Madrid, Spain

Assessment and development of multimedia ontologies in various project, testing NeOn Toolkit. Master title: "Analyzing and Ranking Multimedia Ontologies for their Reuse" (http://oa.upm.es/6368/)

EDUCATION AND TRAINING

2011–2014 Ph.D. in Information Science and Communication

TELECOM ParisTech, Sophia Antipolis (France)

Thesis title: "Publishing and Consuming Geo-spatial and Government Data on the Semantic Web"

Thesis defense: April 10th, 2015 (First class honors)

2009–2011 Master in Artificial Intelligence

Universidad Politecnica Madrid (UPM), Madrid

Thesis title: "Analyzing and Ranking Multimedia Ontologies for their Reuse" (http://oa.upm.es/6368)

2005–2008 Master MIAGE in Multimedia Information System

Université Jules Verne, Picardie, France

PERSONAL SKILLS

Mother tongue(s) French

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
English				
C2	C2	C2	C2	C2
Spanish				
C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication and collaboration skills. Proven ability to adapt to multicultural environments: 4 years in Spain, numerous trips throughout Europe and USA.

Strong communication skills gained through conference presentation and client-facing positions.

Organisational / managerial skills Project management and governance.
Regular and detailed reporting.
Task assignment and control.

Job-related skills Consultancy on semantic data standards

Curriculum vitae

Knowledge modelling and administration
Data curation and migration
Content enrichment
Database technologies
Semantic web technologies
Natural Language Processing and Query answering

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

– Operating Systems: Windows, Unix/Linux
– Programming skills: Python, Javascript, Java, Script Shell, PhP,
– Web Servers: Tomcat, Jetty, Glassfish
– SGBD: Virtuoso, Jena, MySQL, PostgreSQL, GraphDB
– Knowledge engineering: Semantic Web technologies (RDF, OWL, SPARQL), Linked Data deployment, Ontology engineering, Object Oriented modeling/UML, Protégé, NeOn Toolkit.
– Collaborative Tools: Github, Hg mercury, SVN

W3C activities and standards

– Member of the W3C Data on the Web Best Practices (DWBP) Working Group (2014-Present)
– Contributor for the Use Case Document published as FPWD in June 2014.
  Ref: http://www.w3.org/TR/dwbp-ucr/
– Co-Author of the Best Practice Document, candidate for Recommendation.
  Link: http://www.w3.org/TR/dwbp-bp/
– Member of theW3C Locations and Addresses Community Group (2012-Present)
– INSTITUT TELECOM representative at W3C Government Linked Data (GLD) Working Group (2011- 2014)
– Editor of "Best Practices for Publishing Linked Data" released as NOTE (Jan 9, 2014) at http://www.w3.org/TR/ld-bp/
– Editor of "Linked Data Glossary' released as NOTE (Jun 27, 2013) at http://www.w3.org/TR/ldglossary/
– Contributor for the "Community Directory' software, available at http://dir.w3.org/
– Administrator and curator of Linked Open Vocabularies (LOV) (2012-Present)
  Main tasks: Assessing vocabularies to be inserted in LOV, help publishers to follow best practices, annual revision of vocabularies, vocabulary management and visualization, development of new features.

Award

Recipient of the Semantic Web Outstanding Paper Award 2017 (SWJ)

Best Concept Award, Bonn, Germany, 2011

Best Concept award at the 2nd Linked Data-a-thon- challenge held at 10th International Semantic Web Conference, Bonn, Germany.

Application: Confomaton at http://eventmedia.eurecom.fr/confomaton/

Contributions to eScience

– PC member for WWW2018 Demos Track and Developers' Track
– PC member for SmartIoTWorkshop 2018
– Co-chair of the vocabulary carnival at SEMANTiCS 2016.

- External Expert for the French National projects: CE23 2016, CONTINT 2015.
- Reviewer for the Semantic Web Journal & Elsevier (2015) - Program Committee (PC) Member for the 1st International Workshop on Geospatial Linked Data (GeoLD) Workshop, http://geold.geoknow.eu.
- Program Committee (PC) Member for the WASABI2014 Workshop, collocated with the 11th ESWC'2014 Conference.
- Sub reviewer for the ESWC'2014 & LDOW'2014 & SALAD'2016 Workshops.
- PC Member for the W3C Linking Geospatial Workshop. 5th - 6th March 2014, Campus London, Shoreditch.
- Reviewer of the IEEE Internet Computing (2013)
- Program Committee (PC) Member of the Semantic Statistics (SemStats) Workshop, since 2013

Teaching Activities

Teaching Semantic Web at Master level, University Paris Descartes – Sorbonne (16h, 2017 – 2018)

Teaching Semantic Web at Master level, CNAM, Paris (10h, 2018)

Teaching Assistant at EURECOM:

- Supervision of Practical Sessions on practical use of Protégé to build ontologies, Fall 2013.
- Supervision of Semester Projects:
    - Alexis TROBERG, "Improving the discovery of Application Contests in Open Data Events", Semester Project, Spring 2014.
    - LAM Cao Vien, "Learning and building coordinate converter web service and interlinking geographic content RDF databases with LIMES, Semester Project, Fall 2013.
    - LE Thi Nhu Nguyen, "Track Picker", Semester Project, Spring 2013.
    - Anne-Elisabeth GAZET, "Building data.eurecom.fr", Semester Project, Fall 2011.

Participation in major Semantic Research Projects

Apps4Europe European project (2014)

Apps for Europe is a support network with a mission to turn data based apps into viable businesses.

Keywords: open data, hackathons, applications, future everything.

Under the sponsorship of this project, my role acts as co-implementing vocabularies and toolset for open data competitions Apps for Europe. Precisely, I contributed to writing the following deliverable:

- D4.5: Technical toolset for open data competitions.

Datalift French National Project (2011- 2014)

A catalyzer for the Web of data

Keywords: raw data, lifting process, Linked Data, RDF.

The project sponsors my major works at EURECOM. My role was to produce technical deliverables (Demo, coding module, etc.) and research deliverables (Scientific publications), in collaboration with IGN-France.