



JULIEN PLU

Résidence les Romarins
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<http://jplu.github.io>
French Nationality
Single
Driving Licence
Born: 06/19/1987

SKILLS

- **RESEARCH:** Natural Language Processing (NLP), Machine Learning, Deep Learning and semantic Web
- **SOFTWARES:** Microsoft Visual Studio (from 2010 to 2015), IntelliJ idea, Sublime Text, ViM, Microsoft Office
- **DATABASES:** MySQL, PostgreSQL, Virtuoso, Oracle
- **APPLICATIONS DEVELOPPEMENT:** .NET (C#), Scala, Java SE, C, C++, Python, Lisp, Shell
- **WEB DEVELOPPEMENT:** Java EE, PHP, HTML/CSS, Javascript
- **OPERATING SYSTEMS:** Microsoft Windows (from 3.1 to 10), Linux (Ubuntu and Fedora), Unix (FreeBSD and Solaris), Mac OS X
- **OTHER:** XML, JSON, RDF, SPARQL, SQL

PROFESSIONAL EXPERIENCE

PhD Student

July 2014 – Present

EURECOM

Sophia-Antipolis, France

- My thesis topic is about adaptive entity linking. The main goal is to provide a system that can be adapted to the textual content, the entity types, the language and the knowledge base. The involved fields are NLP, Machine Learning, Deep Learning and semantic Web.
- Create a knowledge base for smart cities as part of the 3cixty project

SOFTWARE ENGINEER

April 2013 – June 2014

AEpsilon

Sophia-Antipolis, France

- Consultant at Orange on semantic Web, NLP and Machine Learning technologies for their in-house Web search engine
- Implement a natural language question module. Take a question in natural language and turn it into a SPARQL query to provide an answer.

- Put DBpedia technologies into the Orange production pipeline.
- Prototype an entity relation extraction system from crawled Web pages in order to populate a knowledge base.

SOFTWARE DEVELOPER INTERN April 2012 – September 2012
seevl.net / MDG Web Galway, Ireland

- Extract entities and relations among them from Wikipedia and LastFM texts.
- R2RML mapping for the musicbrainz dataset.
- Extract and model awards from Wikipedia texts.

TEMPORARY ASSISTANT September 2011 – March 2012
University of Montpellier 2 Montpellier, France

- Help professors for the directed works and labs of a student group for the C, C++, Java and Semantic Web courses.

SOFTWARE DEVELOPER INTERN July 2011 – August 2011
CETE Aix-en-Provence, France

- Proof of concept to use Semantic Web technologies in the Passim application. Passim is a French national directory for public transport.
- Create an RDF version of the NEPTUNE format. NEPTUNE is a format to describe a public transport.

SOFTWARE DEVELOPER INTERN July 2010 – August 2010
Dialonics Lannion, France

- Implement colors and shapes recognition algorithms
- Use those algorithms through a video stream from a robot (Meccano Spykee)
- Integrate this functionality into a dialogue engine in order to create a game for young kids. Kids were able to speak with the robot in order to ask him tasks like: follow the red square and what are the colors you are seeing?

EDUCATION

- **Master degree in Computer Science specialized in Artificial Intelligence with cum laude**

UNIVERSITY 2012, Montpellier, France

ACCOMPLISHMENTS

- Win the Open Knowledge Extraction challenge task 1 at the conference ESWC 2015
 - Earned best poster award at the conference KCAP 2015
 - Win the Semantic Web Challenge at the conference ISWC 2015
 - Win the Named Entity Recognition and Linking challenge at the conference WWW 2016
 - Ranked second to the Open Knowledge Extraction challenge task 1 at the conference ESWC 2016
 - Best challenge paper nominee at the conference ESWC 2016
 - Win the Open Knowledge Extraction challenge task 3 at the conference ESWC 2017
 - Best challenge paper at the conference ESWC 2017
 - Coursera courses:
 - Cryptography 1 (100%)
 - Machine Learning (99.9%)
 - Conception et mise en oeuvre d'algorithmes (100%)
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LANGUAGES

- French: mother tongue
 - English: professional (working knowledge)
 - Spanish and Italian: notions
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COMMUNITY INVOLVEMENT

- Responsible of the Semantic Web section at Developpez.com
 - Writing computer sciences tutorials on Developpez.com
 - Co-author of a book about Semantic Web
 - Participate to D2RQ, Silk, DBpedia and CNTK open source projects.
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ACTIVITIES AND INTERESTS

- Traveling, US football, football, music, video games, cinema
- Played tennis for 11 years (from 5 to 16 years old)
- Scuba Diving since more than 20 years
- Playing guitar since more than 5 years