JULIEN PLU

Résidence les Romarins
2, avenue des Jasmins
06220 Vallauris France

plu.julien@gmail.com
+33 6 70.14.19.68
http://jplu.github.io

SUMMARY OF QUALIFICATIONS

- More than 3 years of software engineering experience, with strong analytical skill and a broad range of technology expertise
- More than 2 years working in a research environment experience (writing papers, experiments, result analysis)
- More than 1 year working in a company environment experience (production lifecycle, devops)
- More than 3 years working in open source project experience

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 in Computer Science specialized in Artificial Intelligence with cum laude**

UNIVERSITY   2012, Montpellier, France

ACCOMPLISHMENTS

- Win the Open Knowledge Extraction challenge 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 at the conference ESWC 2016
- Best challenge paper nominee at the conference ESWC 2016
- Coursera courses:
    - Cryptography 1 (100%)
    - Machine Learning (99.9%)
    - Conception et mise en oeuvre d'algorithmes (100%)

LANGUAGES

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

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.

ACTIVITIES AND INTERESTS

- Traveling, soccer, 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