

# JULIEN PLU

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## 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

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## 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?

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## EDUCATION

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

UNIVERSITY

2012, Montpellier, France

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## 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, 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