Resume

Yann Esposito

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Resume

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Professional Background

2016 ightarrow	Clojure Software Engineer for Cisco
2013 ightarrow 2016	Machine Learning Scientist & Softv
	Sophia Antipolis, France
2010 ightarrow	Co-Founder of GridPocket,

Presentation

I am French with a Post Ph.D in Machine Learning¹. Furthermore I love web programming and design.

I am currently working remotely for Cisco Security team as a Clojure Software Engineer.

Previously I worked for Vigiglobe. The first six months I worked with node. js (API/MongoDB/Web). Then we upgraded our stack to Clojure, Haskell, Mesos, Kafka, Druid, etc... At that time we were two to make all technical decisions. In the end we made a real time analytics of social media content on a scalable architecture. Actually our architecture is able to manage (Aggregation & Machine Learning) thousands of moscogos por socond 2 la particular Tivo writton an

Public things done

- ► Cisco (threatgrid) Security & Threat Management.
- ▶ Vigiglobe architecture able to analyze thousands of social media messages in realtime. In particular, real time Machine Learning & Statistics.
- ► YPassword iOS application
- ► Gridpocket web services (from conception to realization, works in correlation with a mobile app)
- ▶ DEES: a 10.000 line C++ command line program. This program implement most HMM standard algorithms & inference algorithms.
- ► SeDiL: a Java application using Swing UI. The

Technical Competences

Jobs

Clojure Software Engineer for Cisco 2016



▶ Remote

Product Security Threat Management Role Clojure Software Engineer

Machine Learning Scientist & Software Engineer for Vigiglobe $2013 \rightarrow 2016$

► Sophia Antipolis, France

Product	Scalable Real Time Social Media Analytics
	Sentiment Analysis
	Many client side web applications (Angular.js
Role	Machine Learning Scientist
	(fast sentiment analysis, learning protocols, et
	Full stack engineer (backend to frontend arch
Keywords	Clojure, Haskell, node.js, reagent, Angular.js,

Co-Founder & freelance for GridPocket $2010 \rightarrow$

Sophia Antipolis, France

Product	Two API server (one for client, another for ac
	A private client side web application
	An iPhone Application
	Some Linux boxes to send data to the servers
	A Linux driver
Role	Full technical responsibilities
Keywords	Ruby, REST, JSON, HTML, CSS, Javascript,
	iQuery, Objective-C. ASIHTTPRequest, Core

Consultant, AirFrance $2007 \rightarrow$

Sophia Antipolis, France

Role	In charge of the Airfrance CMS for their webs
Keywords	TeamSite, Perl, XML, XHTML, CSS, javascri
	Unix (Solaris/Linux), Bazaar

Post Ph.D $10/2006 \rightarrow 3/2007$

Université Jean Monet, Laboratoire Hubert Curien, Saint-Etienne

```
Product SeDiL
Role Java Developer
Research Similarity measure between strings or XML tr
Contact Marc Sebban
Keywords UML, Java 1.5, Swing, Java 2D, Java Web S
```

subversion, XML, XHTML, PHP

Details:

```
Java application: 11 000 lines with javadoc

Main functionalities
```

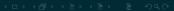
$\overline{\text{ATER}} \ 10/2004 \to 9/2006$

Research & Teacher, Université de Provence, Marseille

teach 1/2, research 1/6, C++ development 1/3 DEES; a C++ software

7500 lines of C++ code, 10.000 with comments

- Main functionalities:
 - Mulitiplicity Automata, HMM & PDA Inference,
 - Baum Welch & Viterbi Algorithms,
 - ► GraphViz export,
 - ► String Generation from many Models,



Moniteur des Universités $10/2001 \rightarrow 9/2004$

Université de Provence, Marseille teach 1/3, research 1/3, C++ Development 1/3 Creation of DEES (see preceding entry).

Diploma

Scientific Publications

International

Journals	[Fundamenta Inforamticæ vol.86 2008] [Pa
Conferences	[ECML 2008] [COLT 2006] [ICGI 2006] [CG
Workshop	[TAGI05]

National (French)

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Journals [JEDAI, 2003]
Conferences [CAP 2006] [CAP 2004] [CAP 2003]
Thesis [Université de Provence 2004]
```

Projects

Haskell libraries

- ► Link to list of packages
- ► holy-project
- ▶ human-readable-duration
- ▶ wai-middleware-caching-lru
- ▶ wai-middleware-caching-redis
- ▶ wai-middleware-caching

Mainly an iOS application:

► YPassword, http://ypassword.espozito.com

I've done fully the website from scratch. Also there are some javascript implementation of YPassword method:

▶ a Mac OS X dashboard widget,

Mainly an iOS application:

► YPassword, http://ypassword.espozito.com

- a Mac OS X dashboard widget,
- ▶ a Cappuccino Web application,

Mainly an iOS application:

► YPassword, http://ypassword.espozito.com

- a Mac OS X dashboard widget,
- ▶ a Cappuccino Web application,
- ▶ a jQuery Web application,

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- a Mac OS X dashboard widget,
- ▶ a Cappuccino Web application,
- ▶ a jQuery Web application,
- ► a command line tool,

Mainly an iOS application:

➤ YPassword, http://ypassword.espozito.com

- a Mac OS X dashboard widget,
- ▶ a Cappuccino Web application,
- ▶ a jQuery Web application,
- a command line tool,
- an Applescript helper



Anonymous Network Project $02/2006 \rightarrow 06/2006$

Made a protocol similar to TOR for student.

Other projects

- Web Application used for private team usage at AirFrance 2008 → This application is just done for teh lulz. Not related to the Airfrance work. But still pleasant. Javascript(Prototype.js, Scriptaculous), CSS, PHP/MySQL, Google Talk
- metapost package to draw Automata 2003 \rightarrow 2004 metapost
- Mac OS X Screensavers (YClock & YAquaBubbles) 2003 → 2004 Objective-C, Quartz Composer, Cocoa

You could find even more information by looking at:

My personnal website:

