

Resume

Yann Esposito

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Resume

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Professional Background

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

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 messages per second². In particular I've written 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 → 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, etc) Full stack engineer (backend to frontend architecture)
Keywords	Clojure, Haskell, node.js, reagent, Angular.js,

Co-Founder & freelance for GridPocket

2010 →

Sophia Antipolis, France

Product	Two API server (one for client, another for ad) 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, jQuery, Objective-C, ASIHTTPRequest, CoreF

Consultant, AirFrance 2007 →

Sophia Antipolis, France

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

Post Ph.D 10/2006 → 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

ATER 10/2004 → 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:

- ▶ *Multiplicity Automata, HMM & PDA Inference,*
- ▶ *Baum Welch & Viterbi Algorithms,*
- ▶ *GraphViz export,*
- ▶ *String Generation from many Models,*

Moniteur des Universités 10/2001 → 9/2004

Université de Provence, Marseille

teach 1/3, research 1/3, C++ Development 1/3

Creation of DEES (see preceeding entry).

Diploma

Scientific Publications

International

Journals | [Fundamenta Informaticæ vol.86 2008]
[Pattern Recognition, 2004] |
Conferences | [ECML 2008] [COLT 2006]
[ICGI 2006] [COLT 2004] [ICALP 2003] [ICGI 2002]
|
Workshop | [TAGI05] |

National (French)

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

Projects

YPassword 2008 →

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,

YPassword 2008 →

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- ▶ a Cappuccino Web application,
- ▶ a jQuery Web application,
- ▶ a command line tool,
- ▶ an Applescript helper

Anonymous Network Project 02/2006 → 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 → 2004

metapost

- ▶ Mac OS X Screensavers (YClock & YAquaBubbles) 2003 → 2004

Objective-C, Quartz Composer, Cocoa

You could find even more information by looking at:

