FEDERICO VISCOMI - MINDFUL SOFTWARE ENGINEER

I have an MSc computer science degree with full marks and honours, a fair amount of experience with software development working at the core business of world class employers and I am passionate about experimenting with new technologies.

CAREER HISTORY AND QUALIFICATIONS

Software engineer at Cisco International Ltd, Staines UK *from April 2016 to present*
System integration and embedded C and Java engineer. My main task is investigating issues on Sky set-top boxes and propose bug fixes. We make extensive use of Python and Splunk for analysis of machine data to aid issue investigation.

Software engineer at Qualcomm UK Ltd, Farnborough UK *from May 2014 to April 2016*
I was a member of the cryptography and security team and I have contributed to designing writing testing and reviewing the following kinds of software: Android applications for showcasing services and libraries to our b2b customers, Android services, Java and JNI libraries, C/C++ libraries such as PKCS11 compliant cryptographic libraries, C/C++ system daemons, trusted applications for Qualcomm's TrustZone based real time operating system, C libraries at the kernel level, Python programs for manipulation of binary files and for collecting analysing and visualising data. Not only have I taken part in the realization of new projects but I have contributed to exiting projects with a large code base as well. On the people management side I was responsible for getting up to speed a new hire.

Software engineer at eBay International Marketing GmbH, Zürich, CHE *from September 2013 to March 2014*
I was an intern at eBay and I was working as a web developer using a test driven delopment process. We used HTML5, JavaScript and AngularJS for the front-end. The back-end used Java or Scala with the Play framework and was backed by a MySQL database or a MongoDB. Other technologies we used are: REST; TestNG for testing the back-end; Jenkins for continuous integration; Gerrit for code review; GIT as version control system; maven and sbt for build automation; websocket for communication among front-end and back-end.

I am particularly proud of a project called TweetMiner, I and two other interns started this project from scratch, it is a web application that uses data mining, pattern recognition and sentiment analysis techniques on tweets to find out how people feel about eBay and the products they bought.

MSc in Computer Science full marks with honours *from September 2010 to March 2013*
Università di Bologna and Freie Universität Berlin

ISTI - National Research Council of Italy, Pisa Italy *from February 2009 to October 2009*
I built a deductive system for an extension of RDF with fuzzy logic under the supervision of a senior researcher Umberto Straccia. The work I have done include: an implementation of a new language fuzzyRDF as a particular subset of RDF, a mechanisms of storage of RDF knowledge bases as XML files, a graphical and textual interface to the system, a proper configuration of the deductive rules of the Apache Jena reasoner, definition of the syntax of an apposite new query language: Fuzzy RDF Query language (FuRQL) and implementation in Java of a parser and a compiler from FuRQL to the SPARQL language

BSc in Computer Science full marks Università di Pisa *from September 2006 to October 2009*