

Curriculum Vitae of Dr. Marco Angelini



Dr. Marco Angelini is a PhD student in the 1st year of PhD program in Engineering in Computer Science [dottorando, settore scientifico disciplinare ING-INF/05] at SAPIENZA Università di Roma, Italy, Dipartimento di Ingegneria Informatica, Automatica e Gestionale [Department of Computer, Control and Management Sciences & Engineering], since October 2012. He previously was a junior research Associate at Department of Computer, Control and Management Sciences & Engineering from february 2012 to September 2012, focused on working on EU Project "PROMISE". He previously studied Computing Science and Engineering [Ingegneria Informatica] at SAPIENZA Università di Roma, where he obtained a Laurea degree in a.a. 2010/2011, with 110/110.

His main research interests include *Information Visualization* (with specific focus on coordinated multiple views and web-technologies and frameworks for visualizing large set of data), *Information Retrieval* (with specific focus on studying and developing new metrics for IR systems evaluation) and *Environments for Collaboration* (with specific focus on visual perception and usability). The previous interests are challenged in the *application domains of domotic, home automation, web services and User Interfaces design*. As a result of his activities, Dr. Marco Angelini has published about **7 papers**, including **3 peer-reviewed conference papers and 2 peer-reviewed posters**(including CLEF 2012 ,VAST 2012, IliX 2012, euroHCIR 2012 and TAIA 2012, EuroVA 2013).

Dr. Marco Angelini has taught in 2013 in the School of Engineering of SAPIENZA a six lessons seminar on Graphical library "d3.js" and Visual Analytics applications in the elective on Information Visualization course at the master level of Computer Science (3CFU).

Dr. Marco Angelini has taught in 2012 in the School of Engineering of SAPIENZA a two lessons seminar on Graphical library "d3.js" and its applications in the elective on Information Visualization course at the master level of Computer Science. He helped supervising 8 master theses, and as of today, he helps supervising additional **3 master theses**.

In 2011 Dr. Marco Angelini has been involved for his master thesis in the development and finalization of the main UI component of the European project SM4All (recently finished). Currently,, he is involved in the PROMISE NoE European project.

Dr. Marco Angelini, born on August 16, 1979 in Roma, Italy.

Contact details

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1. Education

Laurea degree in Computing Science and Engineering, SAPIENZA Università di Roma, Italy, 2011.

Dissertation: *Interfaccia Utente per il sistema domotico "SM4All": Reverse Engineering, reingegnerizzazione e test del modulo Abstract Adaptive Interface*
Advisor: Prof. Giuseppe Santucci, co-advisor: Dr. Giuseppe Tino, marks: 110/110

2. Key Skills

-Dr Marco Angelini is a skilled user of the following programming languages and tools:

- Java, Java2EE
- Javascript, Php, Python, R
- C++, Objective C
- Html, xml, web development design tools
- Matlab and Simulink
- Latex, Word, Excel, Powerpoint, Keynotes

-Dr Marco Angelini is fluent in both written and spoken English language, and at beginner level in written and spoken Japanese Language.

3. Working Experience

October 2012 -- present

phD Student SAPIENZA Università di Roma
Dipartimento di Ingegneria Informatica, Automatica e
Gestionale
SSD: ING/INF-05

February 2012 – September 2012

Research associate SAPIENZA Università di Roma
Dipartimento di Ingegneria Informatica, Automatica e
Gestionale
SSD: ING/INF-05

March 2002 – August 2006

coordinator at E.U.R. (Edizioni Universitarie Romane)
for preparation and evaluation of admission test to bachelor
degree university courses and S.S.I.S. courses

4. Research

The research activity is currently performed in the context of the areas on *Data Management and Service oriented Computing* and *Information Visualization and Visual Analytics* of the Dipartimento di Ingegneria Informatica, Automatica e Gestionale, SAPIENZA Università di Roma. Dr. Marco Angelini's research concentrates on:

- Information Visualization
 - Data Representation
 - Visual Mapping

- Visual Analytics
 - Data Mining
 - Interaction and visualization in large set data scenario
- Information Retrieval
 - Development of new metrics for evaluation
 - Tools for automated evaluation
- Collaborative environments
 - Shared tools and workspaces
 - Data indexing and knowledge sharing

The previous interests are challenged in the application domains of User Interfaces, domotics and web services.

Dr. Marco Angelini has published **7 papers** (see the complete list at the end of the document).

5. Funding and Projects

Here is a list of past and current research projects:

01/11/2011 – present (scheduled up to 30/10/2013)	Designer and developer on multiple-coordinated views	<p>PROMISE NoE(FP7-ICT 2009.4.3, Intelligent Information management, project in the Cooperation program of FP7)</p> <p>Financing to SAPIENZA/CINI: about 230K€ (divided as 170/30K€)</p> <p>The projects applies Information Visualization concepts on top of the Information Retrieval domain, aiming at advancing the insights in the different process of an evaluation campaign.</p>
01/04/2011 – 31/10/2011	<p>User Interface component designer and developer . Project manager: prof. Roberto Baldoni</p>	<p>SM4All (FP7-224332, STREP project in the Cooperation program of FP7)</p> <p>Overall funding from EU: 2.995K€</p> <p>The project applies BCIs, service composition and planning, service oriented architectures to the field of home automation in order to design next-generation technologies for AAL and home automation</p>

6. Teaching

2012/2013

- Seminar on "d3.js" graphic library in the elective on Information Visualization 3 CFU @ SAPIENZA Università di Roma, School of Information Engineering (6 lessons)

2011/2012

- Seminar on "d3.js" graphic library in the elective on Information Visualization 3 CFU @ SAPIENZA Università di Roma, School of Information Engineering (2 lessons)

7. Publications

Conferences and Workshops (peer-reviewed)

- [C1] Time-Aware Exploratory Search: Exploring Word Meaning through Time, Odijk D., Santucci G., de Rijke M., Angelini M, Granato G., SIGIR 2012 Workshop on Time-aware Information Access, Portland OR, USA.
- [C2] Collaborative Environment of the PROMISE Infrastructure: an "ELEGantt" approach, M. Angelini, C. Bartolini, G. Convertino, G. Granato, P. Hansen, G. Santucci, euroHCIR2012 Nijmegen, 24-25th August, pag 55 of proceedings.

- [C3] Cumulated Relative Position:A Metric for Ranking Evaluation, M. Angelini, N. Ferro, K. Jarvelin, H. Keskustalo, A. Pirkola, G. Santucci, G. Silvello, conference paper for CLEF 2012,17-20 September, Rome
- [C4] Visual Interactive Failure Analysis: Supporting Users in Information Retrieval Evaluation, M. Angelini, N. Ferro, G. Granato, G. Santucci, G. Silvello, in proceedings of IliX 2012, 21-24 August 2012,Nijmegen.
- [C5] Information Retrieval Failure Analysis: Visual Analytics as a Support for Interactive “What-if” Investigation, M. Angelini, N. Ferro, G. Granato, G. Santucci, G. Silvello, peer-reviewed poster for VAST 12,14-19 October, Seattle, WA,USA.
- [C6] Cumulated Relative Position:A Metric for Ranking Evaluation, M. Angelini, N. Ferro, K. Jarvelin, H. Keskustalo, A. Pirkola, G. Santucci, G. Silvello, in proceedings of IIR2013, 16-17 January, Pisa
- [C7] Visual Interactive Failure Analysis: Supporting Users in Information Retrieval Evaluation, M. Angelini, N. Ferro, G. Granato, G. Santucci, G. Silvello, in proceedings of IIR2013, 16-17 January, Pisa