

Maurizio Marek - Curriculum Vitæ (updated April 8, 2011)



Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Email(s)

Nationality(-ies)

Date of birth

Gender

Maurizio Marek (MRZMRK78A24G224R)

Via Bajardi 47 35129 Padova(PD) Italia

+39 041 2348452 Mobile: +39 340 5027210

marek@dsi.unive.it, marek.maurizio@gmail.com

Italian

Born in Padova, Jan 24 1978

M

Education

Date

Description

Name of the institution

01/02/2010 - 01/02/2011

Research grant with the Computer Science department of the Ca' Foscari University in Venice. Design and development of multimedia interactive systems to experiment new ways of enjoy artwork in the italian Veneto territory. Design of a specialized development system for multimedia applications in the field of cultural heritage. Duration of the grant: 12 months. Tutor: Prof. Augusto Celentano (ING/ING-05)

Department of Computer Science, Ca' Foscari University (Venice), Via Torino 155 Mestre Venezia (VE), Italia

Date

Description

Name of the institution

01/11/2006 - 01/11/2009

PhD in Computer Science with the Computer Science department of the Ca' Foscari University in Venice. Design and development of Manuzio, a novel functional object-oriented language with persistent capabilities and constructs specific to deal with literary analysis algorithms. The language is meant to be used in conjunction with a system to allow experts of the domain of application to formulate queries and write annotations on texts in an easy and natural way. Results have been discussed in the PhD thesis: "Manuzio: an Object Language for Annotated Text Collections". Tutor: Prof. Renzo Orsini.

Department of Computer Science, Ca' Foscari University (Venice), Via Torino 155 Mestre Venezia (VE), Italia

Date

Name of the degree

Main study subjects

Name of the institution

01/09/1998 - 03/03/2005

Master's Degree in Computer Science (105/110)

In the 5-years span all the main computer science topics have been explored, with a particular attention to Networks and Programming Languages. At the end of the studies the master thesis "Ca' Foscari Digital Press: Documenti Elettronici e Mezzi di Pagamento" have been presented, dealing with the problem of digital press inside the university environment.

Department of Computer Science, Ca' Foscari University (Venice), Via Torino 155 Mestre Venezia (VE), Italia

Date

Name of the degree

01/09/1993 - 01/07/1998

Graduate as "Perito Capotecnico Informatico" (60/60)

Main study subjects

Computer science in general, C programming, operating systems, mathematics, physics, statistics

Name of the institution

ITIS F.Severi, Via Pettinati 46 Padova (PD), Italia

Work Experiences

Date

01/10/2008 - 09/01/2009

Occupation or position held

Web Designer

Main activities and responsibilities

Design and development of static websites (2)

Name and address of employer

Bioprogramm - via Lisbona, 28/a 35127 Padova (PD) Italia

Type of business or sector

Web Design

Date

15/01/2006 - 15/05/2006

Occupation or position held

Ruby on Rails Programmer

Main activities and responsibilities

Design and development of an interactive glossary to store environmental data about the Venice laguna. Tutor: Prof. Renzo Orsini

Name and address of employer

Ca' Foscari University, Venice (VE) Italia e Consorzio per il coordinamento delle ricerche sul sistema lagunare, Venezia (VE) Italia

Type of business or sector

Research on database systems and user interfaces

Date

01/06/2005 - 01/06/2009

Occupation or position held

Computer science teacher for high school students

Main activities and responsibilities

Teaching of computer science and other scientific courses to singles or small groups of students.

Name and address of employer

Associazione "La Guida" - Via Crescini 6 - 35126 Padova (PD) Italia.

Type of business or sector

Education

Date

01/02/2005 - 01/03/2007

Occupation or position held

Web Designer

Main activities and responsibilities

Design and development of static websites (2)

Name and address of employer

Hedra Immobiliare - Via San Crispino n°72, 35129 Padova (PD) Italia

Type of business or sector

Web Design

Date

01/09/2000 - 01/12/2000

Occupation or position held

Database Designer

Main activities and responsibilities

Design and development of a small database.

Name and address of employer

Cooperativa "Nuovo Villaggio". Via del Commissario, 42 - 35124 Padova(PD) Italia

Type of business or sector

Database Design

Date

01/01/2007 - 01/06/2007

Main activities and responsibilities

Tutorship activity for the course of physics "Fondamenti di Fisica" held by the prof. Romana Frattini at the Ca' Foscari University in Venice. Theory and practical exercises (25 hours).

Date 01/09/2010 - 01/09/2011
Main activities and responsibilities Temporary professor of E-commerce (CT0158) at the Ca' Foscari University in Venice. (42 hours, 6 CFU).
Name and address of employer University Ca' Foscari - Venice

Date 01/03/2010 - 10/05/2010
Occupation or position held Occasional work with research activities
Main activities and responsibilities In the context of the exhibition "*Russie! Memoria/mistificazione/immaginario. Arte Russa del Novecento. Opere dalle collezioni Morgante e Sandretti*" on russian art held in Venice: design and development of a multimedia guide on the Apple iPod Touch platform to store information about the presented artworks and allow visitors to access them in a simple way. Subsequent study of frequent patterns on the visitors behavior.
Tutor: Augusto Celentano. Duration: 40 days
Name and address of employer Ca' Foscari University - Venice
Type of business or sector ING/INF-05

Date 01/08/2010 - 10/09/2010
Occupation or position held Occasional work with research activities
Main activities and responsibilities Development of a web application to be used with iPod Touches/iPhones in the context of the project "*NoPlaceLike: 4 Houses 4 Films - Pavilion of Portugal - 12' Mostra Internazionale di Architettura - La Biennale di Venezia*" held at the architecture biennale in Venice. The application was used to present additional contents to the visitors of the exhibition. Tutor: Augusto Celentano. Duration: 40 days
Name and address of employer Ca' Foscari University - Venice
Type of business or sector ING/INF-05

Date 01/10/2010 - now
Occupation or position held Occasional work with research activities
Main activities and responsibilities Web developer for two university-related websites: "*AsiaMedia - il portale dedicato ai media asiatici (asiamedia.dsi.unive.it)*" e "*Ca' Foscari Cinema (cafoscaricinema.dsi.unive.it)*". Starting from an already-made design, the Drupal 6 CMS has been used to allow content insertion and editing by non-experts, using custom php modules, HTML5, and CSS3. Tutor: Roberta Novielli.
Name and address of employer Ca' Foscari University - Venice
Type of business or sector ING/INF-05

Scientific Activity

Date 01/11/2006 - 01/11/2009

Main activities and responsibilities

Computational Humanities

In the context of the PRIN project “Musisque deoque II. Un archivio digitale dinamico di poesia latina, dalle origini al Rinascimento italiano”, sponsored by the Italian MIUR, the PhD thesis “Manuzio: an Object Language for Annotated Text Collections” has been written. The thesis presents:

1. a specialized model to code literary texts in digital form that captures complex textual structures and multiple concurrent hierarchies;
2. a functional object-oriented language with persistent capabilities and constructs specific to deal with literary analysis algorithms;
3. a database structure to store texts and make them accessible from the language;
4. the guidelines for a complete system to store, analyze, and annotate complete textual corpora in a concurrent environment.

In the implementation phase an interpreter for the language has been developed and tested with two textual corpora (Shakespeare’s plays and Eugenio Montale’s poems). Results have been presented in different international conferences (see *Publications*).

Date

01/02/2010 - 01/02/2011

Main activities and responsibilities

Multimedia systems for the fruition of cultural heritage During the PhD the research activity also touched the problem of integration between multimedia systems and art exhibition spaces. An experiment has been conducted in the exhibitions “Nigra Sum sed Formosa, sacro e bellezza nell’Etiopia cristiana” and “Bruce Nauman: Topological Gardens” both held in Venice. An iPod Touch application has been used to present visitors with rich information about the artworks. Results of the studies on user interfaces and user behavior have been published and presented at international conferences (see *Publications*).

Date

01/02/2010 - 01/02/2011

Main activities and responsibilities

Research fellow with the Fondo Social Europeo project: Sviluppo di sistemi multimediali interattivi e dei relativi contenuti informativi per sperimentare nuovi sistemi per la fruizione delle opere d’arte nel territorio veneto (multimedia interactive systems for cultural heritage on the Veneto territory). Study of the state of art of technologies in the topic of multimedia systems for the fruition of artworks and cultural heritage in general. A content management system to store museum data have been developed and used to aid the production of multimedia guides on iPod Touches. Development of an art guide for the exhibition spaces of Punta della Dogana in Venice, featuring a collection of contemporary art pieces.
Tutor: Augusto Celentano (ING/INF-05) Duration: 1 year

Post-doc Schools and Courses

PhD Courses

Probabilistic Model Checking Prof. Marta Kwiatkowska, University of Birmingham (UK)
Hours: 20
Place: Bertinoro International Spring School 07

PhD Course

Probabilistic Methods in Computer Science Professor: Prof. Eli Upfal, Brown University (USA)
Hours: 20
Place: Bertinoro International Spring School '07

PhD Course	<p>Methods for Image Reconstructions with Applications in Medicine and Astronomy Professor: Prof. Michele Piana, University of Verona (Italia) Hours: 20 Place: Bertinoro International Spring School '07</p>
PhD Course	<p>Foundations of XML Data Manipulation Professor: Prof. Giorgio Ghelli, University of Pisa (Italia) Hours: 20 Place: Bertinoro International Spring School '07</p>
PhD Course	<p>Algorithms and Methods for Bioinformatics: a case studies approach Professor: Prof. Nello Cristianini, University of Bristol Hours: 20 Place: Dipartimento di Matematica Pura ed Applicata - Università di Padova</p>
PhD Course	<p>Kernel-based Learning Methods Professor: Dr. Massimiliano Pontil, University College London, UK Hours: 20 Place: Dipartimento di Informatica - Università Ca' Foscari di Venezia</p>
PhD School	<p>Marie Curie Project DESIRE: Theories of Creative Design for innovation in science and technology Place: Palazzo Feltrinelli – Università degli Studi di Milano Hours: 60 Gargnano del Garda (BS), Italia - September 20-26, 2009</p>
PhD Course	<p>From Mobility Data Management to Location-based Services Prof. Yannis Theodoridis, University of Piraeus (UniPi) Hours: 20 Place: 14-18 Giugno 2010 - Ca' Foscari University, Venice</p>
PhD Course	<p>Object Databases Prof. Renzo Orsini, Ca' Foscari University, Venice Hours: 20 Place: Ca' Foscari University, Venice</p>

Skills

Organizational skills	Organizational skills in the field of teaching on theoretical and practical computer science topics.
Social skills	Decent social skills, good ability to work in groups with people of different background. Experiences of group work with humanities researchers and museum experts.
Computer Skills	<ul style="list-style-type: none"> – Operating Systems: <i>Windows</i> (XP, Vista e 7), <i>Linux</i> and <i>Mac OS X</i> (Leopard, Snow Leopard, and server). – Applications: good skill with office suites <i>MS Office</i> and <i>iWork</i>. Good knowledge of graphical applications for web design <i>Photoshop</i>. <i>Pixelmator</i>. – Programming languages: Good knowledge of <i>C</i> and <i>Objective-C</i>. Academic knowledge of <i>Java</i>. Excellent skill with <i>Ruby</i>. Good skill in <i>Javascript</i> and <i>jQuery</i>. Basic knowledge of <i>php 5</i> and others. – Frameworks: Good knowledge of <i>iOS SDK 3.x e 4.x</i> for iPod Touch, iPhone ed iPad programming. Good knowledge of the framework <i>Rails 2.x e 3.x</i> for web applications programming. – Web Programming: Excellent knowledge of <i>HTML 4 e 5</i> and <i>CSS 2.x e 3</i>. Good knowledge of the Content Management System <i>Drupal 6</i>. – Other: Good skill with the <i>LaTeX</i> typesetting language. Basic video game programming skill on iOS with the <i>cocos2d</i> framework.

Other Information

Driving License	Italian driving license type B issued on May 15 1996
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Languages

Mother tongue(s)

Self-assessment
European level^(*)

English

Publications

Italian

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Proficient user	C1	Proficient user	C1	Proficient user	C1	Proficient user	C2	Proficient user

^(*) Common European Framework of Reference (CEF) level

- MAURIZIO M., CELENTANO A. (2011). An End-User Oriented Building Pattern for Multimedia Art Guides. In: IS-EUD 2011 Third International Symposium on End-User Development - June 7-10, 2011. Torre Canne (Brindisi), Italy.
- MAURIZIO M., CEFALÙ V., DEL MONTE M., CELENTANO A. (2011). Building own's guided tour in a contemporary art guide. In: PATCH 2011 : 3rd International Workshop on Personalized Access To Cultural Heritage. Feb 13, 2011 - Feb 13, 2011 Palo Alto, CA United States.
- CELENTANO A., ORSINI R., MAURIZIO M. (2010). Content Management for Mobile Multimedia Art Guides. In: Italian Symposium on Advanced Database Systems. Rimini, June 2010
- CEFALÙ V., MAURIZIO M. (2010). Punta della Dogana, prima e dopo. In: Convegno internazionale di studi Far Vedere Far Comprendere: cinema, fruizione, multimedialità. 7-8 Luglio 2010, Venezia.
- MAURIZIO M., RENZO O. (2010). Manuzio: A Model for Digital Annotated Text and its Query/Programming Language. In: The European Conference on Research and Advanced Technology for Digital Libraries. Glasgow, September 2010
- MAURIZIO M., ORSINI R. (2010). Manuzio: An Object Language for Annotated Text Collections. IIR 2010. In: Italian Information Retrieval Workshop. Padova, January 2010, p. 104
- MAURIZIO M., ORSINI R. (2010). A Model and a Language for Large Textual Databases. In: Italian Symposium on Advanced Database Systems. Rimini, June 2010
- BARBIERI G., CELENTANO A., FINOCCHI V., MAURIZIO M., ORSINI R., PITTARELLO F. (2010). Experience with Interactive Multimedia Art Guides, Demo. AVI 2010 - Advanced Visual Interfaces Roma, Italy May 25-29, 2010.
- MAURIZIO M., ORSINI R. (2009). Manuzio: an Object Language for Annotated Text Collections. In: Trends in computational philology. An italian overview. (LEXIS) Venice, 22-24 May 2008, ISBN/ISSN: 97899025612535
- FINOCCHI V., MAURIZIO M. (2009). Multimedialità e fruizione interattiva, Poster conferenza GARR 2009 "Network Humanitatis - linguaggi, risorse, persone", October 2009
- MAURIZIO M. (2009). Manuzio: an Object Language for Annotated Text Collections, Phd Thesis
- MAURIZIO M., ORSINI R. (2009). A model and a language for representing and manipulating annotated text collections, Technical Report

Attachemts

Attachment A

Laurea con esami (Master's degree certificate with exams, in italian)

Allegato A: Esami universitari sostenuti

Si certifica che MAURIZIO MAREK nato il 24/01/1978 a PADOVA (PD), ha superato l' esame di LAUREA il giorno 04/03/2005 riportando punti 105 su 110 ed e' stato proclamato Dottore in INFORMATICA .

Si certifica inoltre che in base al DM 270/2004 coloro che sono in possesso di laurea il cui ordinamento e' antecedente al DM 509/99 possono fregiarsi del titolo di dottore magistrale.

- PROGRAMMAZIONE TRENTA E LODE 09/02/1999
- LAB. DI INFORMATICA (PROGR.) TRENTA E LODE 09/02/1999 SEMESTRALE
- MATEMATICA DISCRETA VENTISEI— 01/03/1999
- ANALISI MATEMATICA I VENTISEI— 21/06/1999
- ARCHITETTURA DEGLI ELABORATORI TRENTA E LODE 23/06/1999
- LAB. INFOR. (ARCH. ELABORAT) TRENTA E LODE 23/06/1999 SEMESTRALE
- ANALISI MATEMATICA II VENTIQUATTRO- 17/01/2000 SEMESTRALE
- SISTEMI OPERATIVI TRENTA— 15/02/2000
- LAB. INFOR. (SISTEMI OPERATIVI TRENTA— 15/02/2000 SEMESTRALE
- ALGORITMI E STRUTTURE DATI VENTIQUATTRO- 07/06/2000
- LAB. DI INFORMATICA (A.S.D.) VENTIQUATTRO- 07/06/2000 SEMESTRALE
- LOGICA MATEMATICA VENTUNO— 12/06/2000 SEMESTRALE
- FISICA GENERALE I VENTITRE— 12/06/2000
- FISICA GENERALE II VENTISETTE— 25/01/2001 SEMESTRALE
- CALC. PROBAB. E STAT. MATEMAT. VENTIDUE— 22/02/2001 SEMESTRALE
- BASI DATI E SIST. INFORMATIVI TRENTA— 22/02/2001
- INFORMATICA TEORICA VENTISETTE— 11/06/2001
- ARCH. DEGLI ELABORATORI II VENTOTTO— 13/06/2001
- RICERCA OPERATIVA VENTISEI— 16/07/2001 SEMESTRALE
- INGEGNERIA DEL SOFTWARE VENTISETTE— 05/02/2002 SEMESTRALE
- SIST.ELAB.INFORM. (VAL. PREST) VENTISETTE— 22/02/2002 SEMESTRALE
- LAB.INF.(INGEGNERIA SOFTWARE) VENTINOVE— 20/06/2002 SEMESTRALE
- LAB. INFORM. (BASI DI DATI) TRENTA— 26/06/2002 SEMESTRALE
- INFORM. APPLIC.(COMM. ELETTR.) VENTITRE— 03/07/2002 SEMESTRALE
- LINGUAGGI DI PROGRAMMAZIONE VENTOTTO— 20/02/2003
- SIST. ELAB. INF. (SICUREZZA) VENTISEI— 24/06/2003 SEMESTRALE