

MARIUS DRAGOMIROIU
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Limerick, Ireland
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Education

University of Limerick, Ireland
Electronic and Computer Engineering Department
Master by Research, September 2001 – July 2003
Advisors: Prof. Tom Coffey, Dr. Ioan Salomie

Technical University of Cluj-Napoca, Romania
Computer Engineering Department
Bachelor of Engineering, Software Engineering, 2001
September 1996–July 2001
Final Year Project: ‘Design and Development of a Virtual University ’
Graduated with 9.63 (out of 10), **Average** of all years 8.34 (of 10)
Advisor: Dr. Ioan Salomie

Present

University of Limerick, Ireland
Computer Science & Information System
Master by Research (leading to PhD), September 2003 –
SQRL-laboratory
Advisor: Prof. David Lorge Parnas

Research Interests

Software Engineering: Component Composition, Software Component
Adaptation, Framework Software Development, E-Business Systems and
Quality Software Assessment.
Distribute Systems: JINI Technology, Wireless Communication and Networks,
CORBA

Academic Experience

Research Topics

Research carried out during my master studies in University of Limerick
Component Composition - a review over the enterprise components (Java
Beans, EJB, COM, CCM) and the current status and trends in component
compositions.

- Presentation of research in ECE Department – January 2002.

Framework Development - research in the development of framework software. Designed an approach for developing enterprise frameworks for web-applications targeting to improve their flexibility and reusability.

- Development of an enterprise framework for a Virtual Learning Environment (Virtual University for the ECE Department <http://www.ecevu.ul.ie>).
- Framework Software Quality Attributes Assessment

Publications

first author/
important
contributions

On Developing Enterprise Frameworks For Web Applications

Authors: **Marius Dragomiroiu**, Marian Ventuneac, Ioan Salomie, Tom Coffey
Published at the “*International Conference On Control Systems and Computer Science*” (CSCS14), July 2-5, 2003, Bucharest, Romania

- *Web-Applications, An Enterprise Frameworks Based Approach*

Authors: **Marius Dragomiroiu**, Robert Gyorodi, Marian Ventuneac, Ioan Salomie and Tom Coffey
Published at the “*EMES'03*” May 29-31, 2003, Oradea, Romania

- *Designing Reusable Web-Applications by employing Enterprise Frameworks*

Authors: **Marius Dragomiroiu**, Robert Gyorodi, and Ioan Salomie
Eighteenth International Symposium on Computer and Information Sciences, 17 November 2003, Antalya, Turkey (IEEE) and published by Springer-Verlag in the *Lecture Notes in Computer Science* (LNCS) series, Vol. 2869, pg. 1051-1059.

- *Application Framework Development for Virtual Learning Environments*

Authors: **Marius Dragomiroiu**, Robert Gyorodi and Ioan Salomie
Published at the “*International Conference On Information Technology Interface*” (ITI25), June 16-19, 2003, Dubrovnik, Croatia (IEEE)

- *Development Of A Web-Based Personalized System For Teaching Curriculum In ‘Computer Networks’*

Authors: Vasile Dadarlat, Cosmina Ivan and **Marius Dragomiroiu**
Published at the “*International Conference On Control Systems and Computer Science*” (CSCS14), July 2-5, 2003, Bucharest, Romania.

Teaching Experience

University of Limerick

Teaching Assistant, ECE Department, 2001-present

Software Engineering (Java/C++)(4 semesters)

Introduction to Software Engineering and Java (2 semester)

Network Communications (1 semester)

Programming Skills

Throughout the course of my university and work experience I have gained a high level of proficiency in the following computer packages

Programming Languages

Work Experience

- JAVA (JFC, JDBC, Servlet API, JSP, EJB, Java Network API, RMI, JNDI, Swing, JINI Network Technology, Web Services)
- C, C++, Delphi
- OOA and OOAD (UML+ Rational Rose)
- SQL
- HTML/DHTML, JavaScript, XML

Theoretical Background

- CORBA, Networks, Distributed Systems,

Platforms DBMSs

Windows NT 4.0, Win 98, Windows 2000/Server, Linux Os
MSQL Server (7.0), SQL 2000, MySQL, Interbase, Pervasive

Main Projects

- Designing and developing an enterprise framework for eLearning environment using (J2EE) Java 2 Enterprise Technologies such as: Java, JSP/Servlet, EJB; JINI; RMI; Swing; JMF and design patterns
 - Analysed, Design, Implementation
- Worked as design and software developer on an e-Commerce project “eTax” addressing the payment of local taxes for SmaTax Ltd.
 - employing a set of design patterns for J2EE technology
- Worked on a distributed application using EJB, JSP, Java Servlets, SQL which was part of my final graduate diploma (2000-2001)
- Worked on a project using Java Servlets, Jdbc, SQL for the Virtual University project in the CONED program. Tempus Ib_Jep13467-98 “CONED” (<http://www.coned.utcluj.ro>) (1999-2000)
- Worked on a project (Client/Server) using Delphi and Paradox database for a medical institution in Cluj, Romania

Personal Details

Permanent Address: 7 Scortarilor, ap. 25, Cluj-Napoca, jud. Cluj, România

Date of Birth: January 23, 1978

Nationality: Romanian

Marital Status: Single

Languages: Romanian- mother tongue

English-good conversational and written standard

French-basic knowledge
