

CURRICULUM VITAE

KOTSOVOULOU MARIA

PERSONAL INFORMATION

Country : Greece
Email : mkotsovoulou@acg.edu

EDUCATION

- 2012 - 2020** **Lancaster University**, Department of Educational Research, UK. PhD in Technology Enhanced Learning.
- 1994 - 1995** **Heriot-Watt University**, School of Electrical Engineering, Edinburgh, Scotland.
MSc in Human Computer Interaction.
- 1990 - 1994** **American College of Greece-Deree College**, School of Business Administration, Greece.
BSc in Business Administration (major in Computer Information Systems)

TEACHING EXPERIENCE

Jan 2016 – today **The American College of Greece – Graduate School,**
Master of Arts (MA) in Digital Communication & Social Media
Assistant Professor

Develop and deliver information technology courses for postgraduate students:

- Web design and development (from usability and requirements analysis, interactive prototyping to web website implementation using content management systems);
- Programming Fundamentals (using Python)
- Database systems

Sep 1996 - today **The American College of Greece - Deree College,**
Department of Information Technology, School of Liberal Arts and Sciences
Assistant Professor

Develop and deliver information technology courses for undergraduate students:

- Introduction to programming (Java)
- Object Oriented Programming (Java, C++)
- Mobile Application Development (Android)
- Internet Programming (HTML, CSS, JavaScript, PHP, MySQL, and numerous frameworks)
- Fundamentals of RDBMS (Oracle, SQL Server, MySQL)
- Business Intelligence and Data Warehousing

Sep 2014 - today Oracle Academy

Online instructor

Deliver programming courses to educate Greek high school teachers in Java:

- Java Fundamentals (Alice, Scratch, Greenfoot and JAVA)
- Java Programming (Advance OOP concepts)
- Database Analysis, Design and Programming

Sep 2000 - 2003 Oracle Hellas - Oracle University

Part-Time Instructor

Teaching experience includes:

- Programming in SQL, PL/SQL, Application Express (APEX),
- Forms/Reports Developer, ADF, Java Programming
- Business Intelligence (BI) Publisher,
- Oracle Database Administration, Backup and Recovery
- WebLogic Administration and Application Deployment

CERTIFICATIONS

July 2009 OCP: Database 10g Administrator (Oracle Certified Professional)

April 2009 OCA: Database 10g Administrator (Oracle Certified Associate)

RESEARCH PROJECTS

Participation in FAETHON research project (2001-2003). A 'semantic unification' server, residing between A/V content archives, user personal preferences and semantic phrasing of the requests (queries). The objective of the project is to offer enhanced search and retrieval capabilities to users of audio-visual archives. Consortium: ICCS/Greece, ERT/Greece, FAA/Austria, UPC/Spain, Oracle/Austria, Lambrakis Research Foundation/Greece.

PUBLICATIONS

Kotsovoulou, M. (2020). Exploring student perceptions about the use of visual programming environments, their relation to student learning styles and their impact on student motivation in undergraduate introductory programming modules. PhD Thesis, Department of Educational Research, Lancaster University, UK.

Kotsovoulou, M., Stefanou V. and Makri, D. (2017). Utilization of learning resources by undergraduate-level students in computer programming courses: An exploratory study. *WSEAS Transactions on Advances in Engineering Education*, 14(1), 1–11.

Kotsovoulou, M., & Stefanou, V. (2016). Student perceptions on the effectiveness of collaborative problem-based learning using online pair programming tools. In Strouhal J. (Ed.) *Proceedings of the 12th International Conference on Educational Technologies - EDUTE'16* (pp. 32–39). Barcelona, Spain: WSEAS Press.

Kotsovoulou, M. (2013). Collaborative tagging of Java learning resources: Bridging the gap between teachers and students. *International Journal of Knowledge Society Research* 4(1), 12–29. Web.

Stefanou, V., and Kotsovoulou M. (2016) Use of PowerPoint in the classroom: A participatory research project. *International Journal of Knowledge Society Research* 7(4), 38–50. Web.

Stefanou, V., Kotsovoulou, M., & Makri, D. (2018). Using E-assessment software to support formative assessment: a Phenomenographic Study of Instructors' Experiences. In Chova L, Martinez A., & Torres I. (Eds.) *Proceedings of the 12th International Technology, Education and Development Conference - INTED 2018* (pp. 1066–1075). Valencia, Spain: IATED.

CONFERENCE POSTER PRESENTATION

Kotsovoulou M. (2015). Exploring student perceptions about the use of visual programming environments in undergraduate introductory programming modules, and their impact on student motivation and performance. Lancaster University: Postgraduate Research Conference.

PROFESSIONAL EXPERIENCE

1999 – today Software Engineer (freelance consultant)

Major projects and job assignments include:

- 2019-2020: Project Management and co-development of all aspects of a Web and Mobile (Android and IOS) B2B application, targeting business processes such as CRM, warehouse management, order and stock management (PEIFASYN S.A)
- 2019: Technical database sizing analysis and a feasibility study for a possible removal of e-Prescription historical data (IDIKA S.A.)
- 2019: Web application development (Oracle APEX) for the maintenance of ACGGrants (ACG).
- 2019: Oracle database and middleware infrastructure upgrade for EuroPisti Insurance.
- 2018-today: Analysis, design and development of numerous websites (i.e. Opticomm Hellas, Chicness, AnaxMaris, BiosLagoon, Contrarioco, Leadership Coaching)
- 2016-today: Oracle database and application server administration services (PEIFASYN S.A)
- 2016: Ellucian Banner, database and middleware upgrade (a higher education, comprehensive ERP system for Educampus.ie)
- 2015-today: Software development and server administration services (web and database) for the Greek Operator of Electricity Market (DAPEEP) and Power Transmission Operator (ADMIE)

- 2013-2017: Software engineering and project management services (BYTE S.A.)
2017: Oracle Forms and Reports Application upgrade from version 5 to version 12c (XEROX S.A.)
2013-2017: Database Administration Services (EYDAP)
2014: Co-led the development process for IDIKA e-prescription treatment protocols (IDIKA S.A)
- 2013-today: Online Grading Application - analysis, development and maintenance (ACG)
- 2012: "EYESOFT" Application analysis, development and maintenance of a store management software for Opticians, currently installed at 15 stores.
- 2004-2005: co-Developed the Retail shop sales and management application of COSMOTE telecom, integrated with the central ERP.
- 1999-2002: Offered I.T. consulting services to the Hellenic Broadcasting Corp (E.R.T. S.A.) and developed/managed numerous applications:
 - *Budgeting*
 - *TV Advertisements (Scheduling and Costing)* ○ *Music and Movie Library Maintenance* ○ *Playlists for the Radio Station*
 - *Historic Archives Digitization Project – Database* ○ *Document Management and Workflow System*
- 2001: Medical Decision Support System for Agios Savas Hospital – Analysis, design and development.
- 2002: co-Developed the Online Search Engine for Yellow Pages and a White Pages Publication software extension for Bell Atlantic S.A.
- 2000: Website Design and development for VeltiNet S.A.
- 1999: Software development to automatically create websites for the yellow pages' customers (Greek Branch of BELL ATLANTIC Corp.)

Nov 1998 - Nov 1999 Oracle Hellas

Business Intelligence & Data Warehousing, Sales Consultant

Main Responsibilities:

- Perform technical requirements analysis to determine best approach to customer needs.
- Design and build detailed product demonstrations and generate visual aids that have clarity and impact
- Design and run product marketing campaigns in conjunction with marketing staff.
- Provide technical information for R.F.Is and R.F.Ps.
- Transfer technical knowledge and translate complicated technical ideas and information into meaningful and easily understood concepts.

Oct 1997 - Nov 1998 INTRASOFT S.A.

Project Quality Manager

Main Responsibilities:

- Ensure that quality assurance activities are performed, as outlined in the Quality Plan. Assess the quality of the solution produced and the quality of the development process.
- Create, maintain and execute the Quality Plan, and the Test Plan.
- Ensure that solution quality requirements are defined, quality standards are consistent and quality assurance responsibilities are established, defined, scheduled and carried out.
- Establish the standards for the analysis, design, coding, testing and documentation.

Nov 1995 - Sept 1997 BRAINWARE S.A.

Junior Analyst & Programmer Main

Responsibilities:

Development of Large-Scale Applications using Software Development tools for Relational Databases like Oracle Developer and Powerbuilder, for Unilever Hellas (ELAIS – Algida), E.R.T. SA., OAED, Sanitas-Sanitas, ELMEC Sport.

Analysis, Design and Development of a Web Based Application using Internet Information Server and SQL Server for a European Community Research project.

Mar. 1996 - Jun. 1997 ELAIS / ALGIDA

External collaborator, responsible for the enhancement of the current system and the analysis/development of new subsystems under Oracle 7.x

1995 - 1997 MinOpta S.A. (part-time)

Systems Administrator

1994 - 1995 Heriot-Watt University

Tutor at the Computer Lab of the business administration department.

1991-1994 The American College of Greece

Computer Lab Assistant

SEMINARS/COURSES ATTENDED

Feb – Apr, 2020 Online Faculty Training
2 May – Jun, 2015 Online Faculty Training

MOOCs

May 2020 **Oracle Cloud Infrastructure Foundations 2020**, by Oracle University

- Apr 2020 **Building Machine Learning Applications with Autonomous Databases,**
by Oracle University
- Mar 2020 **Instructional Design Foundations and Applications,** University of Illinois,
provided by Coursera
- Jun 2018 **UX Design Fundamentals**
Web Design: Wireframes to Prototypes
Web Design: Strategy and Information Architecture California
Institute of the Arts, provided by Coursera
- Dec 2017 **Python Specialization,** University of Michigan, provided by Coursera
 ○ Programming for Everybody (Getting Started with Python) ○
 Python Data Structures ○ Using Python to Access Web Data ○ Using
 Databases with Python
 ○ Retrieving, Processing, and Visualizing Data with Python
- Jan 2017 **Android: Data Storage,** by Udacity
- Dec 2016 **Android: Networking,** by Udacity
- Sept 2016 **Developing Android Apps,** by Udacity
- Sep 2015 **Building websites with PHP,** by Treehouse
- June 2015 **Programming Mobile Applications for Android Handheld Systems: Part 2,**
by University of Maryland, College Park
- July 2015 **Programming Mobile Applications for Android Handheld Systems: Part 1,**
by University of Maryland, College Park
- Oct 2014 **Creative, Serious and Playful Science of Android Apps,**
by University of Illinois at Urbana-Champaign
- May 2014 **Develop Java Embedded Applications Using a Raspberry Pi,**
by Oracle University

ORACLE ACADEMY

Nov 2012 – Mar 2013, Java Programming, Online Course offered by Oracle Academy (16 Weeks / 1 hour per week)

INTRASOFT S.A.

Oct 1997 Application Design and Development using Composer/IEF 3.

ORACLE Hellas

Jun 2002 Administering Oracle 9i Application Server (3 days)

July 2002 Oracle 9iAS Portal: Build corporate Portals (3 days)

July 2002 JAVA Programming, Develop Database Application with JAVA,
Develop Applications with Business Components for JAVA,
Create Servlets and JAVA Server Pages,
XML: Develop Applications (8 days)
Jan 1998 Developer/2000 Core (1 Day)
Jan 1998 Developer/2000 Forms 4.5 (4 Days)
Feb 1998 Developer/2000 Reports (3 Days)
Mar 1998 Software Development using CASE Tools Designer/2000 (7 Days)
Jul 1997 Oracle Web Server v.8 and Electronic Commerce.

BRAINWARE S.A.

Aug 1997 PowerSoft's S-Designor and Powerbuilder 5.0.
Jan 1996 ORACLE's SQL*Forms30, SQL*ReportWriter.
Jul 1997 Setup and Administration of MS-NT Server 4.0, IIS 3, SQL*Server 6.5.

Microsoft Hellas (1995)

Office Automation using MS-Office 95

DISTINCTIONS

Deree College: Dean's List 1993 - 1994 (GPA > 3.75/4.00)

FOREIGN LANGUAGES

ENGLISH (fluent): Certificate of Proficiency in English, Cambridge University, 1991
ITALIAN (good): Diploma di primo grado, Universita per Stranieri, Perugia, Italy,
1992