

EFTYCHIA LAKKA

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EDUCATION

University of Limoges, France – Department of Computer Science

2009-2011

Master Degree in Computer Science -
«Informatics, Image Synthesis and Graphics Design»
Specialization: Multimedia & Internet Technology, Image Synthesis, Graphic Design.

University of Ioannina, Greece- Department of Computer Science

2000-2006

Diploma in Computer Science

Zosimaia High School of Ioannina, Greece

1997-2000

High School Certificate

WORK EXPERIENCE

04/08/2015-30/09/2015

Technological Educational Institute of Crete

Research Associate

Archimedes III: DECO-DECoration Ontology. Semantic annotation and Case Based Reasoning in interior architecture and decoration designs.

15/07/2015-30/11/2015

Technological Educational Institute of Crete

Gaming Developer

Design and implementation of 3D Educational Games in the “Experiential Cultural Environements Project”.

15/10/2013-20/06/2014

Vocational Training Institute | Sivitanidios Public School of Trades and Vocations

Informatics Teacher

- Introduction to Computer Science
- Integrated Development Tools of Websites
- Operating Systems
- Programming Languages II

01/11/2012-31/07/2013

Technological Educational Institute of Ionian Islands

Research Associate

Design and implementation of the e-learning platform for the Summer School “Information and Communications Technology for Tourism Development”.

10/10/2012-31/12/2012

Technological Educational Institute of Ionian Islands

Research Associate

Participation in deliverables of the project "Web based platform for Employment and Career Structure - TEI of Ionian Islands"

01/11/2011-31/05/2012

University of Panteio-European Project ESPONTrain

Research Associate

Design and implementation of the e-learning platform of ESPONTrain.
Planning, development and adaptation of specialized software components.
Posting the educational material on the e-learning platform of ESPONTrain.

01/03/2011-01/06/2014

Technological Educational Institute of Athens

Research Associate

Project Administrator.
Project Manager Financial Services.
IT Technical Project Manager – Web Projects.

01/12/2010-21/6/2011

Ministry of National Education & Religious Affairs

Informatics Teacher

Substitute informatics teacher in elementary school, 2nd Nikaia and 11th Nikaia, Athens

02/2007 – 06/2009

Public Vocational Training Institute | Ioannina

Informatics Teacher

- Programming Language V Client Server with tools IDE administration of RDBMS
- Operating Systems WINDOWS 98-DOS
- Introduction to Computer Science
- Computer Networks II
- Programming Languages C and C++
- Programming Languages SQL/4GL in Oracle
- Development of distributed network applications in Oracle

TECHNICAL SKILLS

- Database in Oracle, MySQL, Access
- Programming Languages C,C++,C#, Pascal, Fortran, Java, HTML, Visual Basic, PL/SQL, Perl, CLIPS, JavaScript
- Development-Management WEB Platform
 - Virtual Learning Environment (VLE) Moodle
 - WEB Software WordPress
 - WEB Software Joomla

PROJECTS

- Implementation of airline ticket reservation system in UNIX (Programming Language C)
- Implementation of soft links in MINIX (Programming Language C)
- Efficient 3D polyhedron in OpenGL.
- Design database system of company customer service reservations for restaurant chain (SQL-Oracle).
- Design database system of e-library (MySQL).
- Programming Language Perl
 - Operation "client-server" with TCP/IP
 - Operation client SMTP, "Simple Mail Transfer Protocol" for e-mail. E-mail with attached file
 - Use of protocol UDP- Make a request DNS

- Study of FTP (File Transfer Protocol)
- Management of data security - Certificates
- Implementation row-complete latin squares (arc consistent – backtracking)(Programming Language C)
- Classification color (RGB) satellite image land cover four areas (sea, woodland, farmland and residential areas or barren) with back-propagation algorithm (Programming Language Matlab)
- Application of borrow books in an e-library in java (servlets)
- Implementation of an online car rental system using java (JDK-servlets)and Access
- Expert System in CLIPS. Import symptoms and export the correct diagnosis
- Implementation of a Smoothed Particle Hydrodynamics (SPH) system in 3 dimensions with 100 particles (Programming Language OpenGL)
- 3D Procedural City Modeling using google earth, google plugin, Visual C# , MySQL, Sketch up
- Construction of multitouch- interactive surface with Community Core Vision (CCV) open source/cross-platform solution for computer vision and machine sensing, Processing Programming Language, protocol TUIO (Table-Top User Interfaces Objects)

Master Thesis

Title: “Design of a Virtual Learning Environment to support learning activities in geography, urban and regional planning.”

It was used:

- For the e-learning platform the Moodle , an open source Virtual Learning Environment,
- Sloodle (Simulation Linked Object Oriented Dynamic Learning Environment),a free plug-in for the popular 3D virtual world, ‘Second Life’, which enhances the existing support for learning and teaching through integration with the Moodle learning environment.
- Two modules for geographic visualization. The first uses google maps and the second creates a map, which is produced by Quantum GIS (QGIS), and it posts the map on a web site.
- MySQL for the database

OTHER EXPERIENCE

09/03/2014

Technological Educational Institute of Athens

Research Associate

Preparation and submission of the 4th call for proposals (2014-2016) for the Mediterranean Office for Youth Programme for the Mobility of Students and Young Professionals. (Accepted)

Publications

Andreas Stamoulias, Eftychia Lakka, Athanasios G. Malamos, “Wrapping X3DOM around Web Audio API”, 2015, Vol: 3, Number: 5, IJIMAI.

A. Argyropoulou, A.Kolymparis, E.Lakka, S.Lykoudi, “3D City – Procedural City Modeling”, 31A International Conference on Computer Graphics & Artificial Intelligence, 28-29 May 2010, TEI of Athens Greece, Poster.

Reviewing activities

Reviewer in ACM SIGGRAPH Web3D Conference 2015

Ancillary guidance and supervision of the undergraduate students: Technological Educational Institute of Athens - Nikos Tsakonas, Nikos Tasopoulos (Diploma Thesis).

Conferences

2012 Athens Greece

31A International Conference on Computer Graphics and Artificial Intelligence – Member of Organizing Committee

2015 Heraklion - Crete, Greece

ACM SIGGRAPH Web3D Conference - Member of International Program Committee

2015 Heraklion - Crete, Greece

Google Tech Conference for Developers – Exhibitor

FOREIGN LANGUAGES

Good knowledge of English.

OTHER ACTIVITIES

Participation in the Summer School of NCSR "Demokritos" of 2010

Team-player, organizational and communication skills

Driving license (car, motorcycle).