

Personal information

Surname(s) / First name(s)

Address(es)

Telephone(s)

Email(s)

Date of birth

Athnasiadis, Theodoros

Ariva 6, 45332, Ioannina, Greece

+30 2310910040 Mobile: +30 6945586958

theo.athanasiadis@hotmail.com

May 14, 1983

Work experience

Dates

Main activities and responsibilities

September 2010 - Today

My Phd Thesis titled "Morphing for Computer Aided Design" is supported by a Heraclitus II Grant through the operational programme "Education and Lifelong Learning" which is co-financed by Greece and the European Union through the European Social Fund (45K Euro).

Dates

Main activities and responsibilities

February 2009 - January 2010

Military service in the Greek Infantry (Obligatory).

Dates

Occupation or position held

Main activities and responsibilities

October 2006 - August 2008

Programmer

Development of Finite Element Pre Processing software and development of customized extensions to commercial Finite Element Pre Processing software (Medina Fem Software). For the development tcl/tk,bash scripting, c++,wxWidgets,OpenGL and Python were used.

Name and address of employer

NIKI Ltd, Ethnikis Antistasis 205, Katsika, Ioannina

Dates

Occupation or position held

Main activities and responsibilities

July 2007 - July 2008

Programmer

Project "*SKELET-Design, engineering and integrated production of a novel modular endoprosthesis for Total Hip Arthroplasty*". Developed software and algorithms for extracting contours from CT scans, 3D bone reconstruction and visualization. For the development c++,MFC,Acis and OpenGL were used.

Name and address of employer

NIKI Ltd, Ethnikis Antistasis 205, Katsika, Ioannina

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

May 2006 - July 2006, January 2008 - March 2008

Researcher

Project "*Parametric CAD system for the reconstruction of traditional jewelery*". Pre-processing of extracted point clouds from 3D scanners.

University of the Aegean

Dates

Occupation or position held

Main activities and responsibilities

Name and address of employer

January 2006 - October 2006

Programmer

Project "*Digital Mock Up (DMU)-Competence center*". Developed image processing algorithms for automatic extraction of bone boundaries from CT scans.

NIKI Ltd, Ethnikis Antistasis 205, Katsika, Ioannina

Education and training

Dates

Title of qualification awarded

February 2009 onwards

Accepted into the Phd studies program at the Computer Science Department of University of Ioannina

Dates

June 2006 - January 2009

Title of qualification awarded
Principal subjects/Occupational skills covered
Name and type of organization providing education and training

MSc Degree in Software (9.21/10.0)
Feature-based 3D Morphing (MSc Thesis)

University of Ioannina

Dates

September 2001 - June 2006

Title of qualification awarded
Principal subjects/Occupational skills covered

Computer Science Degree (7.16/10.0)
Structural Morphing for Polyhedral Objects (BSc Thesis)

Name and type of organization providing education and training

University of Ioannina

Personal skills and competences

Mother tongue(s)

Greek

Other language(s)

English, French

English

First Certificate in English Cambridge, Dec 1999

French

Delf 1(A1,A2,A3 and A4). Institut Francais de Thessalonique, 2000

Programming languages

C,C++,GLSL,HLSL,OpenCL,Cuda,Python,FORTRAN77, tcl/tk, bash scripting

Tools/Libraries

Boost, OpenGL/GLSL, OpenMP, Acis geometric tools, MFC, wxWidgets

Operating Systems

Experience in use and administration of Linux, Unix and Windows.

Other Software

Blender, Mathematica, MATLAB, Corel Draw, Gimp, Photoshop

Driving licence(s)

Type B

Additional information

Publications

T. Athanasiadis and I. Fudos.

Parallel computation of spherical parameterizations for mesh analysis.

Computers & Graphics special issue on Shape Modeling International 2011, 35(3), 2011

T. Athanasiadis, I. Fudos, C. Nikou, and V. Stamati.

Feature-based 3d morphing based on geometrically constrained sphere mapping optimization.

In *Proceedings of the 2010 ACM Symposium on Applied Computing*, SAC '10, pages 1258–1265. ACM, 2010

D. Vartziotis, T. Athanasiadis, I. Goudas, and J. Wipper.

Mesh smoothing using the geometric element transformation method.

Computer Methods in Applied Mechanics and Engineering, 197:3760–3767, 2008

Awards

NVIDIA Best Poster Award - Barcelona Computing Week 2011, *Programming and Tuning Massively Parallel Systems*, Spain, July 2011

Associations

Member of the Distributed Management of Data Laboratory, <http://dmod.cs.uoi.gr>

Website/Portfolio

www.cs.uoi.gr/~thathana