**Curriculum Vitae**

Name : Alexander G. Agathos

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Date of birth : 14 June 1974

**Education / Professional experience.**

1992 : Graduated **Α' High School of Maroussi**

1994-1998 : Studies at the **Mathematics Department of University of Athens** acquiring its Bachelor’s degree with grade Very Good.

1999-2001 : Postgraduate studies at the **Department of Informatics and Telecommunications of University of Athens** acquiring a Master’s

degree with grade (9.2). Publication of a paper at the journal

Computational Geometry with applications to GIS (Geographic

Information System) systems.

2002-2004 : **Informatics Institute of University of Edinburgh.**

Research and development in **C++**

2004-2005 : Military service at **the Marines Navy.**

Administrator, of the Windows Server 2000, and maintenance of the computer network at the Informatics School of the military.

2005-2009 : **Acquiring the PhD degree**, with grade excellent, **from the University of The Aegean** and the **department of Informatics &** **Telecommunications of the Research Center Demokritos.** The doctorate studies were conducted under the supervision of the General Secretary of Research and Technology and was also supported financially from the European Union.

10/ 2011 – 6 / 2012 : **Post Doctorate studies** at the **University of Tel Aviv** with subject of

software design in the programming language C#

of a user interface targeting the transformation of a 2D sketch to a 3D object.

09/2012 – 12/2014 : **Post doctorate studies at the West University of Timisoara (UVT)** based on the European research project HOST

(<http://host.hpc.uvt.ro/>). Specifically, an implementation, in the language C++ on the graphics accelerators of NVIDIA, of applications like Hyperspectral image analysis of the soil for the detection of minerals, Weather forecast etc. The results were published in [2, 3, 4].

01/2015–09/ 2015 : Research and development at the University of the Aegean based on the European project “OPT – SHOES" targeting the design of shoes of people with

special demands, like people with diabetes, taking into consideration the 3D geometry of the bones of the foot.

The outcome of the research was a parametric model of the foot and its computation was done in the language C++. Results were presented in the 5th Bio-Informatics conference of London in 2015 [5].

10/2015 - 08/2017 : Research and development on 3D Computer Graphics using graphic

accelerators in the Company 3Shape (Denmark).

04/2018 – 08/2019 : Research and development in InstaReconstruct (Germany) on Graphic

Accelerators.

**Qualifications**

Foreign languages : English (Cambridge Proficiency)

Knowledge

of Windows

software : Microsoft Word, Excel, Access, Visual Studio

Knowledge of

Computer Languages : Pascal, Matlab, C, C++, Objective C, C#, Java, Javascript, Python

Knowledge of APIs : CUDA, OpenCL, MPI, OpenMP, OpenGL, WebGL, HTML5, Tensorflow,

Keras, PyTorch

Knowledge of

operating systems : Windows, Linux, Mac OS X, Android, iOS