CV

Nikolaos Pappas

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Memberships

Technical Chamber of Greece *(TEE)*
Steel Structure Research Society *(EEME)*

Profile

I have recently graduated from the University of Bristol, where I had a MSc course in **Computer Science**, expecting a first class degree. I have previously studied **Civil Engineering (Structural)** at the Democritous University of Thrace. The skills I obtained from my education, along with my experience working and undertaking projects, are mainly **problem solving**, ease in **adapting rapidly** and the capability to handle a broad variety of tasks. I am looking forward to use and enhance these skills, and become a productive member of our society.

Education/Formation

2015 - 2016	**MEng in Computer Science** /University of Bristol/ **Provisional Average: 74% (1st)** **Thesis:** "Mammography Interpretation Tool Using Convolutional Neural Networks" For the project I used CNNs to identify and classify tissue abnormalities in X-rays.
2007 - 2014	**BEng, MEng in Structural Civil Engineering** /Democritus University of Thrace **Thesis:** "Experimental Validation of the Behaviour of Bolted Moment RBS Connection Subjected to Cyclic Load" / **Thesis Mark**: **10**/10 / **General Average: 7.07**/10 The project included **finite element analysis** simulation and a 1:1 scale **experiment**
March - June 2013	**Internship** in "GTE", a company based in Madrid / **Dynamic calculation of steel structures** and **research** on 3D folding truss structures using ABAQUS/CAE
February - July 2012	Erasmus in University of Granada, Spain Escuela Tecnica Superior de Ingenieria de Edifcacion
2001 - 2007	American College Anatolia High School Various courses **taught in English**, among others **Computer Science** and **Arts**

Projects

May-June 2016	Worked with the Vision Lab of the University of Bristol, annotating sequences of **motion tracking** models assisting the research on artificial inteligence. **(SPHERE)**
April 2015	**Database implementation** in a real Faculty Forum web site with **SQL/JDBC,** as the main project of the databases course unit in UoB.
2015 - 2016	Various applications with **C** and **Java** including games, **Image/Video processing**, object recognition, assisted by the use of libraries, such as **OpenCV** and **SDL**

IT Skills

Productivity	Microsoft/Open/Libre Office suites (Expert use of word processing, spreadsheet and presentation), Adobe Photoshop, InDesign, Inkscape (intermediate)
Engineering	**Autodesk** [Robot Structural Analysis, AutoCad (2008/2012/2015), Inventor Pro 2014, Revit Structural Detailing], **Simulink** [Abaqus CAE (6.10),Matlab (6, R2014a)], SAP2000, Risa3D (8.1.3)
Rendering	Blender, Google Sketch-Up, Artlantis , Adobe Premiere CS6
Progràmming	C (Expert), Java (Expert), Javascript, MATLAB, OpenCV(on C++ and Java), SQL (Expert), Html, CSS, Latex , Python (Intermediate), Fortran (Novice)
Other Skills	Convolutional Neural Network design (Caffe), Motion tracking (Vicon Nexus 2.3)

Linguistic Skills

English	**Fluent**	Certificate of Proficiency in English, Michigan University (C2) IELTS (**Band 8**)
Spanish	**Fluent**	Greek National Foreign Language Exam System (B2) Practised speaking in Spain including in a company and at a university
German	**Basics**	Certifcate of Intermediate in German , (B2) Goethe Institut (Zertifkat Deutch)
Greek	**Native**	

Organisational/Social Skills

2016	**Electrician assistant** at "Bristol Sparks", installing CCTV and electrical systems.
2015	**Bar-keeping** in the "Hole in the Wall", responsible to maintain the bar functional.
2008-2010	**Waiting tables** and **bar-keeping** in the locally successful Cafe-Bar Ntili Ntili, at the time, I also hosted a weekly Radio Show at "Radio Underground".
2003-2006	Acted in the School's **"Theatre Club"** annual performances
July 2006	Teamed up with other students to represent Cyprus, in a **mock negotiation** at the **Conflict resolution laboratory** "Coexistence and Diversity Matters" in Cyprus.
2003-2006	**Leader** in the YMCA summer-camps, responsible for kids with ages from 8 to 14

References - *Contact information provided upon request*

Professor at U.o.B	Dr Tilo Burghardt	**Professor at D.U.TH**	Dr Christos Kalfas
Project Supervisor *GTE*	David Arribas Serrano	**Bristol Sparks Director**	Miguel Tome Mejillas