

# CV

## Nikolaos Pappas

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### Memberships/Certifications

Technical Chamber of Greece (*TEE*)  
Steel Structure Research Society (*EEME*)  
Full EU driving licence

### 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 Democritus University of Thrace. The skills I obtained from my education, along with my experience working and undertaking projects, include **problem solving**, ease in **adapting rapidly** and the capability of handling a broad variety of tasks. I am looking forward to using and enhancing these skills, in order to become a productive member of our society.

### Education/Formation

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

### Projects

May-June 2016	Worked with the Vision Lab of the University of Bristol, annotating sequences of <b>motion tracking</b> models assisting the research on artificial intelligence. ( <b>SPHERE</b> )
April 2015	<b>Database implementation</b> 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 <b>C</b> and <b>Java</b> including games, <b>Image/Video processing</b> , object recognition, assisted by the use of libraries, such as <b>OpenCV</b> and <b>SDL</b>

## IT Skills

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

## Linguistic Skills

<b>English</b>	<b>Fluent</b>	Certificate of Proficiency in English, Michigan University (C2) IELTS ( <b>Band 8</b> )
<b>Spanish</b>	<b>Fluent</b>	Greek National Foreign Language Exam System (B2) Practised speaking in Spain including in a company and at a university
<b>German</b>	<b>Basics</b>	Certificate of Intermediate in German , (B2) Goethe Institut (Zertifikat Deutsch)
<b>Greek</b>	<b>Native</b>	

## Organisational/Social Skills

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

## References - *Contact information provided upon request*

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**Professor at U.o.B**  
**Project Supervisor GTE**

Dr Tilo Burghardt  
David Arribas Serrano

**Professor at D.U.TH**  
**Bristol Sparks Director**

Dr Christos Kalfas  
Miguel Tome Mejillas