

KONSTANTINOS TSAFARIS

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EDUCATION

2013 - 2014

MSc in Information and Communication Technology (ICT) Systems (*Distinction*)

International Hellenic University - School of Science and Technology, Greece

- Web IS (HTML, CSS, JS, MySQL, PHP)
- Computer Networks
- Wireless Communications & Networks
- IS Security (Python)
- Green ICT (Smart Grids, Sensor Networks)
- Management (MS Project, Visual Paradigm)
- Business Analytics
- Advanced Database Systems (PostgreSQL)

Dissertation: *"Interactive video search based on online content classification"*

Working closely with CERTH, an interactive video retrieval system was developed. It is written in PHP, connects to a MySQL database and uses HTML / CSS for its appearance and user-interaction.

2010 - 2011

MSc in Renewable Energy & Environmental Modelling (*Merit*)

University of Dundee - School of Engineering, Physics & Mathematics, UK

- Solar, Wind, Wave, Hydro Technologies
- Energy Regulation & Law
- Hydrogen Economy
- Environmental Modelling

Dissertation: *"Energy feasibility study of a Mediterranean house"*

Cost-benefit analysis and suggestions regarding the use of renewable energy sources in residential buildings. Feed-in tariffs, regulations and laws were taken into consideration.

2001 - 2008

Physics - Direction: Electronics and Telecommunications

Aristotle University of Thessaloniki - School of Positive Sciences, Greece

- Telecommunication systems
- Computer architecture
- Computer Labs
- Digital systems
- Microelectronics
- Electronic circuits
- Differential & Integral Calculus
- Energy sources

WORK EXPERIENCE

2015 - Present

Apifon, Thessaloniki, Greece

Web Developer

Responsible for the front-end design and development of the company's main application (SPA). AngularJS was selected as the website's templating engine and PHP with ZF2 served as the server's scripting language.

- AngularJS
- PHP - ZF2
- JavaScript/JQuery
- T-SQL
- HTML5 / CSS3
- Photoshop

2014

CERTH, Thessaloniki, Greece

PHP Developer - Internship

An interactive video retrieval module for an existing search engine was developed. Main technologies used:

- PHP
- Apache web server
- MySQL
- HTML / CSS

2013 - 2014	Freelancer, Thessaloniki, Greece
2006 - 2009	<i>Private tutoring to high-school students</i> <ul style="list-style-type: none"> • Physics, Chemistry & Introduction to programming • The majority of the students succeeded in the university entrance exams
2011 - 2012	PVI Energy, Thessaloniki, Greece <i>Energy Consultant - Internship</i> <ul style="list-style-type: none"> • Active member of a small team that successfully carried out various feasibility studies (photovoltaics, solar thermal, heat pumps, energy fireplaces) • Visits to clients' site in order to take measurements and verify the suitability of the respective energy system
PROFESSIONAL SKILLS	
	Web Design: HTML5, CSS3, AngularJS, JavaScript, jQuery Databases: MySQL, PostgreSQL Programming: PHP, Python, Ruby Design: InDesign, Photoshop Operating Systems: MS Windows, Apple Mac OS, Linux (Ubuntu) Various: Networks, MS Office (Word, Excel, Powerpoint)
EXTRA-CULLICULAR ACTIVITIES	
2014	Ennovation contest 2014: <i>Final phase</i> of the 7th international student competition on Digital Entrepreneurship, Innovation & e-Business - www.theslourp.com
2014	Workshop: <i>"Fedora on ARM and the Raspberry Pi - Build your own Linux based operating system in an hour"</i>
2013	International Conference: <i>"Discover the COSMOS: e-Infrastructure for an Engaging Science Classroom"</i>
MEMBERSHIPS	
	<ul style="list-style-type: none"> • E.E.F. (Hellenic Physical Society) • IEEE (Institute of Electrical and Electronic Engineers)
LANGUAGES	
English	<ul style="list-style-type: none"> • Certificate of Proficiency in English (University of Michigan) • Certificate of Competence in the teaching of the English language • QTS (Qualified Teacher Status - England)
OTHER ACTIVITIES	
2012	Royal Mail, London, UK <i>Postman - Olympic Games 2012</i>
2012	Safe N Beautiful, ExCel Exhibition Centre, London, UK <i>Sales Assistant</i>
1990 - 2014	Member and captain of various basketball teams of local and national leagues (American College, YMCA, Aretsou BC, Panorama) - Fulfilled military service obligations (2009 - 2010) - References available upon request