

Thanos Eeftherakos - automation/electrical and electronic engineer

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I am working as a self employed / freelancer for the last 5 years. Since a very young age I had an inquisitive questioning on the ways different machines function which led me to achieve an electrical engineering degree. My studies at Department of Automation became a starting point to the vast field technology offers. Since then my personal interest for experimentation in combination with intensive research have led me to get involved with a variety of practices and different media. As a result I gained the experience and the self-confidence to be resourceful and correspond to the demands of any difficulties that may occur. I enjoy to spend my spare time on enriching my programming skills and experimenting on personal projects in order to explore practices and ideas that I don't meet during my work projects. I feel the need to be updated and comprehend the latest technological achievements in the fields of my practice and interests.

education

2004 - 2009 Department of Automation , Technological Education Institution of Piraeus

employment

Title: *Arduino beginners workshop instructor / tutor*

Organization: Frown Platform, www.frowntails.com

Location: Athens

Date: 1/2014 - 2/2014

Description:

A 10h workshop teaching the basics of Arduino board and programming language

Title: *Arduino beginners workshop instructor / tutor*

Organization: FROWN Platform, www.frowntails.com

Location: Athens

Date: 10/2013 - 11/2013

Description:

A 10h workshop teaching the basics of Arduino board and programming language

Title: *Garduino tiny - 2 day workshop*

Organization: National Museum of Contemporary Art (EMST) , www.emst.gr/EN/Pages/default_new.aspx

Location: Athens

Date: 10/2013 - 10/2013

Description:

Design and construction of an custom arduino compatible pcb for a 2 day hands on workshop on building an automatic plant watering system thanoseleftherakos.blogspot.gr/2013/11/garduino-tiny.html

title: *4th Athens Biennale AGORA website & web application*

Company :athens biennale, www.athensbiennale.org

Location: Athens

Date: 6/2013 - 9/2013

Description:

Athens Biennale website. Web application that collecting and presenting in real time social media data in 4th Athens Biennale AGORA exhibition

Title: *Arduino beginners workshop instructor / tutor*

Organization:FROWN platform, www.frowntails.com

Location: Athens

Date: 2/2013 - 3/2013

Description:

A 10h workshop teaching the basics of Arduino board and programming language

Title: *Web developer / Embedded developer*

Company : Varsos S.A, <http://www.ventobacco.com/>

Location: Athens

Date: 10/2012 - 1/2013

Description:

Frontend and backend development of VentoMonitor13 (tobacco Barn wireless control) - development of an embedded server for the purpose of barns telemetry

Title: *Electrical engineer*

Company : Autotech wireless automation, www.autotech.gr

Location: Athens

Date: 3/2012 - 10/2012

Description:

Various automation projects included embedded development for ATMEL and ARM cortex M3 microprocessors

Title: *Humidity and temperature monitor-controller for terrariums*

Organization:University of Athens - Biology Department

Location: Athens

Date: 2/2011 - 4/2011

Description:

Development of a controller in order to maintain humidity and temperature stable in lizard terrariums.

Title: *Data Loggers*

Organization: University of Athens - Biology Department

Location: Athens

Date: 5/2011 -7/2011

Description:

Development of 5 portable data loggers for humidity, soil moisture, ground and air temperature

Title: *Co-founder of WEBF8*

Company : WebF8 , www.wf8.gr

Location: Athens

Date: 2010 - today

Description:

Webf8 is Online creative studio specialized in websites and web - mobile applications

skills

Programming skills:

- Embedded programming in various uC including ARM M3 family uC's, 8bit ATMEL AVR, ARDUINO/PROCESSING wiring
- C / C++
- Objective C (ios apps development)
- Java (android apps development)
- Python
- OpenCV
- HTML5
- CSS3
- javascript / jquery

Software:

- MathWorks Matlab - simulink
- LabView
- Solidworks
- Autocad
- Cadsoft Eagle pcb
- Google Sketchup
- Adobe Photoshop, Illustrator, Flash

publications

Telematics of a quad copter U.A.V. with the use of an android device

T. Eleftherakos, N. Chronas-Foteinakis, G. Nikolaou, K. Alafodimos
International Scientific Conference eRA – 6 , (Mechanical Engineering Session) <http://era.teipir.gr/>
19 - 24 September 2011

conferences

iOS app for wifi control and telemetry of a UAV quadcopter

T. Eleftherakos
FOSSCOMM 2013, <http://hua.fosscomm.gr>
20-21 April 2013

Arduino & Robotics

T. Eleftherakos
“Creative uses of Open Source” AG.DIMITRIOU College
8 February 2013

QuadCopter U.A.V modeling and simulation

T. Eleftherakos
OpenFest 2012, <http://openfest.teipir.gr/>
9 - 10 April 2011

Dissertation project

Design and build of a UAV quadcopter with gps navigation and telemetry-control from a smartphone device

Department of Automation , Technological Education Institution of Piraeus
February 2009

personal projects

Title: *Fully autonomous custom UAV quadcopter using ARM uC*

Date:2012

Description: Upgrade of my dissertation project with an ARM uC instead of the Arduino board

Title: *Android and IOS app for quadcopter control and telemetry*

Date:2012

Title: *PID line follower vehicle*

Date:5/2011

Description: Development of a small vehicle using Arduino, capable of following a line using sophisticated control algorithms. Was made in order to take place at the line follower robot competition in "Athens Digital Week 2011" which took the first place, thanoselefttherakos.blogspot.gr/2011/10/pid-line-follower.html

Title: *Optical Flowmouse cam*

Date:3/2010

Description: Optical flow board using an old mouse sensor in order to attached in a UAV for position tracking thanoselefttherakos.blogspot.gr/2011/11/quadcopter.html