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Lefteris Chatzipetrou

Objective Designing and implementing software/hardware systems that are useful, effective and efficient

Experience 2013 - 2016 Freelance Thessaloniki, Greece

Programming tutoring

- Tutored university students in programming (C, C++, Java, Theory)

2011 – 2016 tichuiq.com Thessaloniki, Greece

Co-Founder / Lead developer

- Designed and implemented backend in PHP
- Designed and implemented MySQL database
- Designed and implemented HTML5 frontend

2016 - present HAM Systems Thessaloniki, Greece

Co-Founder / Chief Technical Officer

- Designed and tested electronic circuits
- Designed and implemented firmware for embedded systems
- Designed and implemented webservice using node.js
- Designed and implemented website with PHP, HTML5, Javascript and MySQL
- Designed and implemented Deep Learning Energy Disaggregation algorithms
- Designed and implemented android and iOS mobile apps using apache cordova

2017 - present Pointr London (remotely)

Senior Mobile SDK Developer (contract/part-time)

- Ported most code to a common C++ base
- Built testing architecture using googletest
- Authored C++ coding guidelines

Education 2009 - 2015 Aristotle University of Thessaloniki Thessaloniki, Greece

Diploma in Electrical and Computer Engineering

- GPA 7.86/10, 306 ECTS
- Diploma thesis: Automatic news extraction from social media

Skills Languages

- Native Greek speaker
- Full professional proficiency in English
 - Certificate of Proficiency in English (University of Michigan)

Programming languages

- Fluent in C/C++, PHP, HTML, Javascript, CSS
- Experience with Python, Java
- Basic knowledge in MATLAB

Frameworks

- Experienced in Node.js

Database systems

- Experience with MySQL/MariaDB DBMS
- Some experience with Oracle DBMS, IBM DB2

Video game development

- Experience with OpenGL and Simple DirectMedia Layer (SDL) libraries
- Experience with LUA scripting language

Embedded systems

- Experience with Internet of Things
- Experience with AVR microcontrollers

Operating systems

- Knowledge in Linux administration
- Basic knowledge in Microsoft Windows administration

Other

- Experience with Microsoft Office Suite (Word, Excel, Powerpoint, Visio)
- Experience with GIMP, Inkscape
- Basic knowledge in LaTeX typesetting system
- Basic knowledge in Wordpress CMS

- Other**
 - Class B driver license
 - Completed military service

- Interests**
 - Web development
 - Internet-of-Things
 - Video game development
 - Embedded systems

References References are available on request.