Sotiris Alfonsos

Personal Info:

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As long as I can remember I've always been excited in undergoing new experiences, meeting new people, taking initiative and being a determinant part of a team. I can describe myself as being strongly motivated, full of energy and hope to put into practice all those things that I have learned from my experience as an undergraduate student, as a part of an inspiring team.

Education:

Fall: 2008 – 2015 (expected)
Diploma in Computer Engineering and Telecommunications (5 years degree, 300 ECTS)
Department of Electrical and Computer Engineering, University of Thessaly, Greece

Courses and Projects:

- Computer Graphics
- Logic Programming and Functional Programming
- Data Mining
- WWW Technologies

- Mobile & Pervasive Computing
- Data Structures
- Digital Signal Processing

Circuit Simulation Algorithms (with term Project):
Implementation of Spice-like Circuit Simulation Program using C Programming Language and including linear and non-linear methods like Newton-Raphson, LU decomposition, AC Analysis, etc.
(October 2014 – December 2014)

Information Retrieval (with term Project):
Implementation of a non-positional inverted index with a Group VarInt compression in **Java language**, so the user can search certain words in multiple large documents and record there appearances.
(May 2014 – June 2014)

Complex Networks (with term Project):
Implementation of **Independent Cascade model(IC)** and **Linear Threshold model(LT) Algorithms in Java Language** in order to Regard the spread of influence and its maximization in Social Networks, given some Complex Network.
(April 2014 – May 2014)

Programming II (with term Project):
A java applet that displays the beauty of fractals dynamically. It supports Zoom and Ruler Display in order to keep track of the coordinates.
(April 2011 – May 2011)

Operating Systems (with term Project):
Modifications on Ubuntu Kernel using Virtual machine: System calls, Routing policies and profiling, Slob memory allocator and external fragmentation's measurements, C-LOOK I/O scheduler.
(May 2011 – June 2011)

Programming I (with term Project):
Creation of our own Dx-Ball game at C language.
(November 2008 – December 2008)

Fall 2005 - Spring 2008
Apolytirion from the 6th High School of Glyfada, Athens, Greece

Work Experience:

July – August 2014, Internship at PERNOD RICARD HELLAS, IT Assistant
IT department of PERNOD RICARD HELLAS, where I mainly **dealt with server** and **network maintenance** and also provided user level technical support.

Skills:

Programming Languages: Java, C, HTML5, MIPS Assembly, Python, XML

Tools: Netbeans, Eclipse, OpenGL, Matlab, Xcas,
Mockup Builder, AutoCAD

Languages: Greek (native speaker)
English (proficient speaker - ECPE Michigan Proficiency)
German (elementary proficiency - took lessons for 2 years)

Interests:

- **Basketball.** Basketball is a team sport that improves the bonds and relationships between people and even co-workers. I especially enjoy it as it is a team sport, a really interesting game and a good way to exercise.

- **Swimming.** One of the best ways to get rid of the stress and clear your head. It is a hobby that helps me keep healthy and exercise at the same time.

References upon request