Stavros Vagionitis

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Technical Skills

- **Programming Skills**: C/C++, Java, SQL, Shell Scripting, Python.
- **Source Control**: Subversion, Git.
- **Databases**: MySQL, SQLite.
- **Operating Systems**: MS Window Family, Linux (RedHat/Ubuntu/SL), AIX, MacOSX.
- **Scientific Software**: Matlab.
- **Issue Tracking/Collaboration Software**: Jira, Confluence, Crucible, FishEye.

Work Experience

Digisoft.tv (Digital TV Industry)**,**
Embedded Software Engineer   **Cork, Ireland**   **Dec 2011 – Present**

- Working closely with other Software team members and the QA team to understand and clarify functional and system requirements in an Agile/Scrum environment.
- Collaborating with the other Software team members to ensure architectural integrity and product quality.
- Cross-compilation, debugging and analysing C/C++ code for a Set-Top Box(STB) in MIPS architecture for Sigma Designs chipsets. Performance improvements in code base. Participating in peer code reviews. Repair defects found in developed modules.
- Porting and maintaining the WebKit web browser engine to the embedded system.
- Maintaining Gstreamer multimedia framework to embedded system.
- Use Yocto Project to create custom Linux-based systems for the embedded products.

Intralot S.A. (Lottery & Gaming Industry)**,**
Software Engineer   **Athens, Greece**   **Aug 2007 – Aug 2009**

- Software Engineer in Application Development Department.
- Member of a group of the project manager and ten software engineers.
- Programmed, debugged, modified and maintained segments of large-scale software projects worldwide using AIX as an Operating System.
- Used C as the main programming language to construct and update server side, performance critical, software for sports betting and lottery games.

DEMCO Group (Investment Management)**,**
System & Database Administrator   **Athens, Greece**   **Nov 2005 – Aug 2007**

- System and Database Administrator in IT Department.
- Member of a group of the technical supervisor and one more administrator.
- Maintained the network infrastructure of the company such as switches and routers and diagnosed any problems with the behaviour of the networked-attached computers.
- Involved in the procurement of new hardware, kept update the disk images for new computer installs, rolled out new software installs and made sure that licenses are paid for software that needed it.
- Ensured for the integrity of the data, the efficiency and the performance for two Oracle databases the company had.

Education

**University of Edinburgh,
School of Informatics**   Edinburgh, Scotland   Sep 2009 – Sep 2010

- MSc in Computer Science specialized in Software Engineering and Computer Systems.
- Used C, Java and Matlab in course projects.

**Technical University of Crete,
Electronic and Computer Engineering**   Chania, Greece   Sep 1997 – Jun 2004

- Bachelor(Ptychion) in Electronic and Computer Engineering specialized in Digital Image & Video Processing.
- Used C, C++, SQL and Matlab in course projects.

Publications

MSc Thesis: "Finding Clones", School of Informatics, University of Edinburgh, 2010.

Papers: "Adaptive Methods for Motion Characterization and Segmentation of MPEG Compressed Frame Sequence", C. Doulaverakis, S. Vagionitis, M. Zervakis and E. Petrakis, Intern. Conference on Image Analysis and Recognition (ICIAR'2004), Porto, Portugal, Sept./Oct. 2004, Proc. Part I, Springer Verlag (LNCS 3211), pp. 310-317.

Diploma Thesis: "Methods for Segmentation of Uncompressed Video Using Intensity and Motion Histograms", Electronic and Computer Engineering Department, Technical University of Crete, 2003.

Languages

Greek(native), English(fluent), French(novice).

Activities/Distinctions

- **Music**: *Mandolin, Piano*: Playing mandolin and piano for mandolinata "Fraternity of Cephalonia and Ithaca of Piraeus".
- **Photography**: Member of Fotoskiasi, Photographic Society of Technical University of Crete; Member of the Cork Camera Group.
- **Sport**: *Football, basketball*: Playing basketball to A.C. Peiraikos. Now I usually play both basketball and football with some friends; *Archery*: I was in the team of A.C Phaethon Vrilission.
- **Organizations**: Member of Technical Chamber of Greece (TEE-TCG): Participated in some of its meetings regarding the digital governance in Greece.
- **Prizes**: Winner of 2010 Skyscanner's Student Brain Challenge.

Military Service

**Research & Informatics Corps,
System Administrator & Developer**   Athens / Komotini, Greece   Feb 2004 – Aug 2005

- Served as Reserve Officer on Probation in Hellenic Army. In July 2005 promoted to the rank of Reserve Second Lieutenant. In August 2013 promoted to the rank of Reserve Lieutenant.
- Monitored, as System Administrator, the network infrastructure of the entire camp and diagnosed problems with the behaviour of networked-attached computers.
- Responded to individual military users' difficulties with computer systems, provide instructions, diagnose and solve common problems. I was given the opportunity to train higher-ranked officers on software applications such as Microsoft Office.
- Trained, as Programmer, to ensure that military software applications were operating correctly and fix any program errors that might occur.
- Supervised staff of four soldiers. We worked as a team to meet the deadlines.