

Ioannis Sarris

Curriculum Vitae

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Military obligations fulfilled

Education

- 2011–2013 **M.Sc. in Networked Computer Systems**, *Telecom ParisTech*, Paris - France.
- *Major*: Networks
 - *Master Thesis*: “Monitoring and Reporting for CDN performance measurements”, Orange Labs
 - *Grade of Thesis*: A+ (highest grade in class)
- 2004–2010 **Diploma in Electronic & Computer Engineering**, *Technical University of Crete*, Chania - Greece.
- *GPA*: 7.81/10
 - *Major*: Telecommunications
 - *Diploma Thesis*: “Factor Analysis of Social Networks”(grade 10/10)
 - *Advisor*: Prof. Nicholas Sidiropoulos
- 2001–2004 **Greek National Apolytirion**, *Saint-Paul High School*, Piraeus - Greece, *GPA*: 17.8/20.

Experience

- 2014–Present **R&D Software Developer**, DASSAULT SYSTEMS, Paris-France, 1 December 2014 - present.
- Design and development of 3D Digital Manufacturing applications in C++ (MVC model)
 - Design and complexity analysis of the infrastructure algorithms of these applications
 - Design and development of the UI of these applications
 - Development of Object Driven Tests - Analysis of Code Impacts
- 2013–2014 **R&D Software Engineer**, OBERTHUR TECHNOLOGIES, Telecom Bussiness Unit, Paris-France, 21 Mars 2013 - 28 November 2014.
- OS and application Developer of the Embedded SIM - eUICC (C, Java)
 - Design and implementation of the core application of the card in Javacard
 - Unit Tests (in Python) analysis of bugs and optimisation
- 2012–2013 **Internship - R&D Engineer**, FRANCE TELECOM - ORANGE LABS, Paris-France, 05 August 2012 - 11 January 2013.
- CDN infrastructure, Analytics (QoS & QoE measurements)
 - Javascript Web application development (NodeJS framework)
 - Big Data infrastructure, No-SQL Databases (MongoDB), Java, Python, PHP
 - KPIs measurements: TTFB, Rebuffer events, Avg Bitrate per user
- 2010–2011 **Software Developer**, SCHOOL OF RESEARCH AND INFORMATICS, of the Hellenic Army, Greece, 17 November 2010 - 17 August 2011.
- Network Administrator, performance analysis of the local network (height: 70)
 - Programmer PHP

- 2006 **Member of Technical Staff**, FUJITSU-SIEMENS, Greece, 20 July 2006 - 31 August 2006.
- Team player (member of a group of 10 persons)
 - Technical Assistant on desktop, laptops and PDAs

Technical skills

Programming Languages	C/C++, UNIX shell scripting, Python, Java, Android SDK (Java-based), Java RMI, JDBC, CORBA, SQL, No-SQL Databases (MongoDB), VoiceXML, CPLEX, UML
Web Development	PHP, HTML5, CSS3, Javascript, MySQL, MongoDB
Networks	<i>Wireless Communications</i> : GSM, GPRS, EDGE, UMTS, HSPA, LTE, WiMax <i>Network Protocols</i> : GTP, PMIP, Diameter, IP, TCP, UDP, SIP, SS7, HTTP, DNS, SMTP, ICMP, ARP, PPP, WDM <i>Configuration of Major Routing Protocols</i> : MPLS, BGP, OSPF <i>Performance analysis of Networks</i> : QoS & QoE <i>Digital Signal Processing</i>
Network Security	L2TP, RSA, 3-DES, SSL, IPSEC, crypto of GSM(A3/A8, A5), ECC
Applications	Microsoft Visual Studio, Eclipse, MySQL, flex, bison, Wireshark, Inkscape, Xilinx ISE, L ^A T _E X

Projects

- 2013-2014 Design, development and verification of embedded-SIM Operating System - APIs & Applets (Development: Java & C, tests: Python, Specifications: 3GPP, ETSI, GSMA), Oberthur Technologies R&D.
- 2012-2013 Design and Development of monitoring tools for QoS/QoE statistics of the Content Delivery Networks by using Javascript, Big Data Infrastructure, France Telecom R&D.

Awards

- 2012 **Scholarship of Greek Ship Owners** for postgraduate studies in European's Union Universities.
- 2009 **Scholarship of Academic Achievements** for the academic year 2007-2008 (top 10% of class 120 students), Technical University of Crete.

Languages

Greek	Mothertongue	
English	Fluent	<i>Cambridge First Certificate in English (FCE); TOEFL Certificate (grade:92/120)</i>
French	Fluent	<i>Certificat Pratique de langue francaise SORBONNE I</i>

Interests

- Tennis
- Running
- Guitar
- Piano