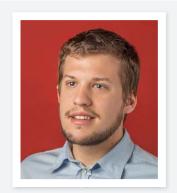# Alexandros CHALATSIS

// Profile

Date of Birth
8th September 1991

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// Languages

English: B2 (Cambridge Univ.)
English: B2.2 (Trinity College)
German: C1 (Goethe Institut)
Greek: Native

// Societies

IEEE Computer Society

// Education

2009-2015 **BS in Information Science & Tel/co.** TEI of Thessaly
Thesis title: An application for the analysis of weblogs. Grade: 10/10
The produced software searches for weblogs that reproduced a certain set of news and ranks them based on this metric. Developed in Python, used Yahoo! BOSS engine, Readability service.
Selected courses: software engineering, distributed systems, compiler theory, artificial intelligence, RDBMS, software law, application & network security, systems design & analysis.
Erasmus: PWSZ w Krosnie, Poland. Sep/2013 - Feb/2014.

2003-2009 **Highschool** Athens College, HAEF
Clubs/activities: UNESCO, LUG, volunteer & organizing member in several festivals/public events. Volunteer IT work for many clubs. Designed the website for our school's festival for two years (2008-9).
In 2007 participated in ISO representing the school and was awarded a silver metal in algorithmic programming.

// Awards / Accomplishments

2007 **Silver medal, Algorithmic Programming**
International Space Olympics. Korolev, Moscow region, Russia
Participated in the Computer Science contest providing optimal solutions to the given problems in the C programming language.

2006 **Finalist, Algorithmic Programming**
National Computing Olympiad. Athens, Greece
Participated in the National Computing Olympiad for 2 years (2005, 2006). Solved given tasks using the C programming language.

// Skills

Languages C, C#, Objective-C, PHP, Python, SQL, JavaScript
CSS 2, HTML 4, JSON, XML, XSLT, SOAP, UML

Dev tools MS Visual Studio, Apple Xcode, Netbeans, GNU build system (autotools) git, SVN, CVS

OS MS Windows XP & newer, FreeBSD 5.5 & newer, Mac OS X 10.7 & newer, several linux distros incl. Gentoo, Debian, CentOS, SELinux security model

Alexandros CHALATSIS

// Work experience

05/2014
today

InfoGraph Ltd. - *VoIP Software engineer*
Athens, Greece - On location
We are developing a complete VoIP software solution that will work with existing VoIP servers (e.g. Asterisk, Kamailio). My main engineering responsibility is our backend server software interacting with the VoIP servers. Additionally I am developing part of our frontend application that provides monitoring & management of the underlying architecture.
Technologies used: C, C# & .Net >= 4. Server software developed based on POSIX standards, deployed on CentOS installations. Client software compatible with MS Windows XP & newer.

10/2012
11/2012

ITWorx Ltd. - *iOS Software engineer*
Larisa, Greece - On location
I developed an iOS application to accompany a news website, aiming to provide all of the CMS content in a touch-friendly manner, suitable both for phones and tablets. I have also developed part of the backend plugin providing access to the content.
Technologies used: Objective-C, PHP, MySQL, JSON.

11/2011
06/2013

Alphabit S.A. - *iOS Software engineer*
Athens, Greece - Remotely
The company launched an innovative voting & survey system, providing both desktop/web interfaces as well as mobile/on the road applications. I was the lead developer of the application of the iOS platform, covering both iPhones and iPads. The application provided full end user functionality.
Technologies used: Objective-C, iOS 6 API, mainly Apple CF frameworks. ISO:27001 development standards.

08/2010
10/2010

General Data Business S.A. - *Systems administrator*
Athens, Greece - On location
I have deployed and evaluated the MS Sharepoint Foundation suite and it's suitability for small to mid-range companies. I have designed and deployed a monitoring service based on Nagios for monitoring the company's critical systems as well as those of several clients. Finally I was responsible for maintaining several production servers running Linux and FreeBSD OSes, providing web & mail services.
Technologies used: MS Windows Server & Sharepoint platform, Linux & FBSD OSes, Nagios

07/2008
08/2008

General Data Business S.A. - *Systems analyst*
Athens, Greece - On location
My work at the company included testing the newly released Cisco Unified Application Environment and how this new tool could be used efficiently in production environments. I developed demo software to show the capabilities of the platform, and built a virtual environment to help in evaluation. This work was partially based on previous work done by me.
Technologies used: CUAE, PHP, HTML, XML, CM/CME

07/2007
08/2007

General Data Business S.A. - *PHP developer*
Athens, Greece - On location
My task was to create software demonstrating the capabilities of the Cisco IP Telephony platform (consisting of Call Manager/Call Manager Express and the IP phone hardware). The software was used in a demo showroom for prospective clients to get a hands-on experience with the platform.
Technologies used: PHP, HTML, XML, CM/CME

Alexandros CHALATSIS

// Personal projects - software

News spread analysis application (Undergraduate thesis)

Thesis title: An application for the analysis of weblogs. Grade: 10/10
The produced software searches for weblogs that reproduced a certain set of news and ranks them based on this metric. The application is actively developed past the mark of a thesis project, and my aim is to build a useful tool that will help people in choosing their news sources correctly, eliminating the consumption of false/hoax news. Currently my target is the Greek blogsphere, and provided the project has quantifiable & provable results, I would like to expand its audience.
The application is developed in the Python language, with search results provided by Yahoo! BOSS engine and content extraction performed with help of Readability service.

Arduino-controlled room

I have designed (and am currently developing) a smart-room platform based on Arduino for controlling and operating various switches and sensors in a room (lights, temperature, fans/AC), as well providing scheduled actions such as visual alarms. The system is accessible over the network via HTTP.
The software is written in C++ and the goal is to fit the complete solution in 16KB of memory.

Greek Forester Club

I have created a car enthousiast club counting 1k+ members, and was the system administrator responsible. I developed a custom VBulletin module using Google Maps & Youtube API, PHP and JavaScript to demonstrate our nation-wide trips and collect all of our media content. I am no longer active in the community.

Active domain crawler

Created a tool that detects registered & active greek domains and collects DNS information. The application is developed for POSIX operating systems, uses two DNS libraries (c-ares & resolv) and is multithreaded. There are plans to continue development with more features.