
CHRYSANTHI VANDERA

OBJECTIVE Seeking internship in web and mobile software development for Summer 2015

EDUCATION **CARNEGIE MELLON UNIVERSITY, INFORMATION NETWORKING INSTITUTE, PITTSBURGH PA-SILICON VALLEY CA**

MS in Information Technology – Mobility expected in May 2016

UNIVERSITY OF PATRAS, COMPUTER ENGINEERING AND INFORMATICS DEPARTMENT, GREECE

BS (MEng equivalent) February 2014, Grade 6.98/10

GRENOBLE INSTITUTE OF TECHNOLOGY, ENSIMAG, FRANCE

Exchange student with LLP/Erasmus Program, Spring 2011

RELEVANT COURSEWORK	15213 - Introduction to Computer Systems	14741 - Introduction to Information Security
	15619 - Cloud Computing	14740 - Fundamentals of Telecommunications Networks

ACADEMIC PROJECTS Development of a custom shell command line in C, 2014

Implementation of malloc function in C, 2014

Use of Amazon AWS S3, EC2, EMR and CloudWatch for running applications and handling of DoS attacks, 2014

Development of an Android Application as part of diploma thesis, 2013

- Implemented communication of application with web server through SOAP web service calls

- Notification functionality using Google Cloud Messaging (GCM) and Google Maps in-app integration

Development of an Android Application for Advanced Information Systems course, 2012

- General as well as detailed information on all departments of University of Patras and their syllabus

Web development in PHP for Internet Technologies course, 2012

COMPUTER SKILLS **PROGRAMMING:** Java, HTML, JSP, CSS, Javascript, JQuery, Android SDK, C, Java 3D, C++, Java Swing, PHP, Python,

Prolog, Assembly Language, UNIX shell scripting, MySQL

APPLICATIONS: Eclipse, MySQL Workbench, Navicat, SVN, Protégé, Netbeans, MatLab SPSS, STATA, TSP, Eviews, Minitab

SOFTWARE TOOLS: Maven, Amazon AWS, JBoss

OPERATING SYSTEMS: Microsoft Windows XP/Vista/7/8, Apple OS X, Linux

LANGUAGES: Greek, English, French, Italian

WORK EXPERIENCE **MECHANICAL ENGINEERING AND AERONAUTICS DEPARTEMENT, UNIVERSITY OF PATRAS, 2012-2014**

Software developer for APPs4aME – Apps for Advanced Manufacturing Engineering (<http://www.apps4ame.eu>)

- Developed a web application that communicates with a MySQL database and uses multiple frameworks such as Apache Struts 2, Apache Tiles 3, Hibernate and Apache Stanbol. The application handled data, which was used in an ontology for inference and thus knowledge reuse

Software developer for e-Custom – Factories of The Future (www.ecustom-project.eu)

- Developed a Java Applet for customizing 3D geometries using Java 3D library, of web applications communicating with a MySQL database where functionalities as data entry, google maps, SOAP web service calls, servlets and others were implemented (in Java)
- Implemented algorithms for finding the best solution out of a vast solution space (in Java)
- Developed Android applications implementing notification and location-based functionalities

NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS, 2007

Data processing of questionnaires, entry and processing of statistical data

HONORS ROSE SILVA FELLOWSHIP: Selected out of all women in Department, 2014

INSTITUTION OF ZOSIMA BROTHERS: Merit based Scholarship given to 10 students out of an entire region, 2007-2012

PUBLICATIONS

- Mourtzis D., Doukas M. and Vandera C., *Mobile apps for product customization and design of manufacturing networks*, Manufacturing Letters, Volume 2, Issue 2, April 2014, Pages 30-34
- Mourtzis D., Doukas M., Vlachou K., Fragou K. and Vandera C., *Knowledge enriched short-term scheduling for complex products manufacturing*, Procedia CIRP 2014

INTERESTS Snowboard, Tennis, Movies & TV Series, Sewing, Gardening, Food Enthusiast