

NIKOLAOS MAROULIS

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Date of Birth: 17-12-1992

OBJECTIVE

Seeking a responsible career position, open to learn and develop suitable skills which offer a high level of challenge and adding value to the organization.

EDUCATION

10/2010 - present: National and Kapodistrian University of Athens,
Department of Informatics and Telecommunications
6/2010 - Graduated High School of Sami Kefalonia (GPA 17.0/20)

EMPLOYMENT HISTORY

4/2017 - present: Research Associate at SCAN Lab which resides in the Department of Informatics and Telecommunications at National and Kapodstrian University of Athens

PROJECTS - COURSES

Thesis Subject: Wireless Software Defined Network Deployment and Optimization with Emphasis on Internet of Things Applications

Implementation for the 2015 ACM SIGMOD Conference's Programming Competition subject in C++, developing a Conflict Detection System in Database Queries, using Extendible Hashing, Threads for parallel computing and various optimisations using algorithms and Tree structures.(Software Development for Information Systems)

Fully Functioning Web Application Implementation for online auctions(Front End and Back End), using JavaServer Pages(JSP), Javascript, Ajax, HTML, CSS, Bootstrap Front End Framework, Nearest Neighbour algorithm implementation for item recommendation, XML parser for inserting items from eBay to the database and MySQL on Apache Tomcat. (Internet Application Technologies)

Compiler Implementation for custom version of Java (Minijava) using Visitor Pattern Written in Java. (Compilers)

Design and Implementation for book distribution website, using HTML5, CSS and PHP for server-side communication. (Human-Computer Interaction)

B+ tree data Structure Implementation in C, using memory blocks as tree nodes for inserting, deleting and searching given values.(Database Systems Implementation)

Client-Server model Back End Implementation in C++, for sending - receiving - copying files through the Internet,using Threads for parallel request handling.(System Programming)

Program implementation in Python for solving a problem using heuristic functions. (Artificial Intelligence)

Implementation in C++ for a multiple thread handler through the OS for simulating the management of processes in the system's memory through replacement algorithms LRU and WS.(Operating Systems)

SKILLS

Proficient with :

Languages: Java, C++, C, Python, SQL, HTML, CSS, Javascript, OpenGL, Assembly

OS: Linux (+terminal), Windows, Android, Mac OS

Other: Data Structures, Memory Management, Networks. Software Defined Networking, Internet of Things applications.

FOREIGN LANGUAGES

English : Advanced KPG (G1)

French : DELF B1

ACTIVITIES

Basketball, Traveling, Technology