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TECHNICAL INTERESTS

Programming Languages, Operating Systems, Compilers, Database Systems, Data Structures, Software Engineering

EDUCATION

Bachelor of Science
2012 – Now

University of Athens, Greece
Current GPA 8.11/10
Department of Informatics and Telecommunications

EXPERIENCE

Bachelor thesis
June 2016

Parallel Soot: Soot is a Java bytecode optimization framework which my colleagues use for the generation of facts in order to perform points-to analysis of Java programs, in Datalog. For this task, I had to parallelize the fact generation process and proceed to the appropriate modifications in Soot. Also, I had to write a report regarding the transformations Soot performs in order to produce Jimple (A three-byte address IR) from Java bytecode. My goal was to evaluate the benefits of a parallel implementation compared to the non-parallel one.

Teaching Assistant
Fall 2014 & Fall 2015

Lab instructor for the *Introduction to Programming* course at the University of Athens. The class uses the C programming language and the labs instruct students in the use of basic programming, fundamental algorithms, arrays, pointers, recursion, and data structures.

TECHNICAL SKILLS

Programming Paradigms
Procedural Programming, Object Oriented Programming, Logic Programming, Functional Programming

Programming Languages
C, C++, Java, Python, Prolog, Datalog, Haskell

Parallel Programming
POSIX processes & threads, MPI, Open MP, NVidia CUDA

Database Systems & Usage
SQL, MySQL, postgreSQL

Scripting
Bourne, Bash, C shell

Computer Graphics
OpenGL, LaTeX

Version Control
Git, Mercurial