

## ADDRESS

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## CONTACT

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## EDUCATION

**Master of Science**

2016 – Now

University of Athens, Greece  
Computing Systems: Software and Hardware  
Department of Informatics & Telecommunications

**Bachelor of Science**

2012 – 2016

University of Athens, Greece  
Gpa 8.1/10  
Department of Informatics & Telecommunications

## TEACHING ASSISTANCE

Introduction to Programming

Fall 2014/15/16

Operating Systems

Fall 2016

## TECHNICAL INTERESTS

Programming Languages, Security Systems, Database  
Systems, Operating Systems, Compilers

## TECHNICAL SKILLS

**Programming Paradigms**

Procedural, Object Oriented,  
Logic, Functional

**Programming Languages**

C, C++, Java, Python, Prolog, Data-  
log, Haskell

**Parallel Programming**

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

**Database Systems & Usage**

SQL, MySQL, PostgreSQL

**Scripting**

Bourne, Bash, C shell, Z shell

**Markup & Web Languages**

PHP, HTML, CSS, JavaScript

**Assembly Language**

MIPS

**Computer Graphics**

OpenGL,  $\LaTeX$

**Version Control**

Git, Mercurial

## REMARKABLE PROJECTS &amp; ACTIVITIES

**ACM Sigmod Programming Contest 2015**

C

Efficient transaction processing and checking for concurrent queries conflict.

**Auction Website**

Java, CSS, JavaScript

An auction website template implemented in Java using the MVC model.

**N-Gram Detection**

Java

Efficient detection of exact n-gram matches in a text stream.

**Lambda Calculus Interpreter**

Haskell

A simple lambda ( $\lambda$ ) calculus interpreter.

**Parallel Image-Filtering Convolution**

C, MPI, Open MP, NVidia CUDA

A parallel program to apply convolution filters (blur) to images.

**Rainbow Tables**

C, C++

A project for creating rainbow tables and implementing a rainbow-table attack.

**MiniJava Compiler**

Java, Datalog

Implementation of a LL(1) parser and a translator to S-expressions for a simple calculator. Semantic Check, generating intermediate code, static analysis and optimizations.

**Imaginary Solar System**

C++, OpenGL

An imaginary solar system with keyboard and mouse interaction.

**Prolog Constraint Satisfaction Problems**

Prolog, ECLiPSe

Four Prolog well known constraint satisfaction problems implemented in Prolog using the ECLiPSe library. The graph coloring problem, a problem from the LP/CP Programming Contest 2015 called games, the crew-scheduling problem, and the car-sequencing problem.

## 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 will have to write a report regarding the transformations Soot performs in order to produce Jimple (A three-byte address IR) from Java bytecode.