GIORGOS KRITIKAKIS

SOFTWARE DEVELOPER

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Summary

My name is Giorgos (or George) Kritikakis. In 2013 I enrolled in the Department of Computer Science (CSD) at the University of Crete. I have completed my undergraduate courses and I am working on the final stages of my bachelor's thesis on SCOOP compiler that produces output for PARTEE runtime system, a project developed at Computer Architecture and VLSI Systems (CARV) Laboratory of the Institute of Computer Science (ICS) of the Foundation of Research and Technology Hellas (FORTH). Also, at this time I am attending postgraduate courses.

Considerable Projects

Alpha programming language(compiler)

HY340-Languages and Compilers

Lexical analysis(lex) , syntax analysis(yacc) , intermediate, code generation (quads), target code and virtual machine.

Add 2 new system calls to Linux kernel
HY345-Operating Systems

Operating systems, C programming.

Linux C shell(command interpreter)

HY345-Operating Systems

Processes manipulation ,System Calls , interprocess communication(pipes) ,   shell variables , redirection (dump2) .

Liquid Democracy

HY359-Web Programming

Liquid Democracy is a more agile form of democracy. To romote this system of voting, a web-page is ideas constructed based on Java CGI to sign up/login and vote for which concern you. Moreover, you can create your own topics and let the community vote them online. You can even elect a delegator if you have trust on someone else except of yourself. (html, css, javascript, ajax requests, json, servlets, sessions, cokkies , apache server)

QBert 2D game

HY452-Software Systems and Applications

Allegro library and C++ were used. A project of 2.5K lines of code implemented with a specific architecture.

Iperf imitation

HY435-Network Technology Programming Lab

Socket programming

micro tcp protocol

HY335-Computer Networks

A reliable protocol over UDP with key features of TCP, socket programming

2D card game

HY252-Object-Oriented Programming

Java, Model–view–controller architectural pattern was used

Barnes-Hut algorithm, sudoku, game of life

HY342-Parallel Programming

pthreads , java threads, OMP, TBB

Web page to control a lamp and sensors from everywhere

Raspberry , arduino , full-stack development, DYI projects

Programming languages

C , C++ , Java , Ocaml , Python , Javascript

Languages

English , fluent

Greek , mother tongue

German , Novice

Hobbies

In my spare time, I like learning new things (I am a fan of Udemy) and do sports . Furthermore, I have graduated from lifeguard school and last four years I am working on the coasts of Crete seasonally.