

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 recently completed my undergraduate courses and I am working on my bachelor's thesis on SCOOP compiler and 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.

## Education

2013-09 - present

University of Crete

## 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 promote this system of voting, a web-page is constructed based on Java CGI to sign up/login and vote for ideas 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, javaservlets, sessions, cokies , apache server)

### QBert 2D game

HY452-Software Systems and Applications  
Allegro library and C++ was used. It was a 2.5K lines project implemented with a specific architecture

### Iperf imitation

HY435-Network Technology Programming Lab  
Socket programming

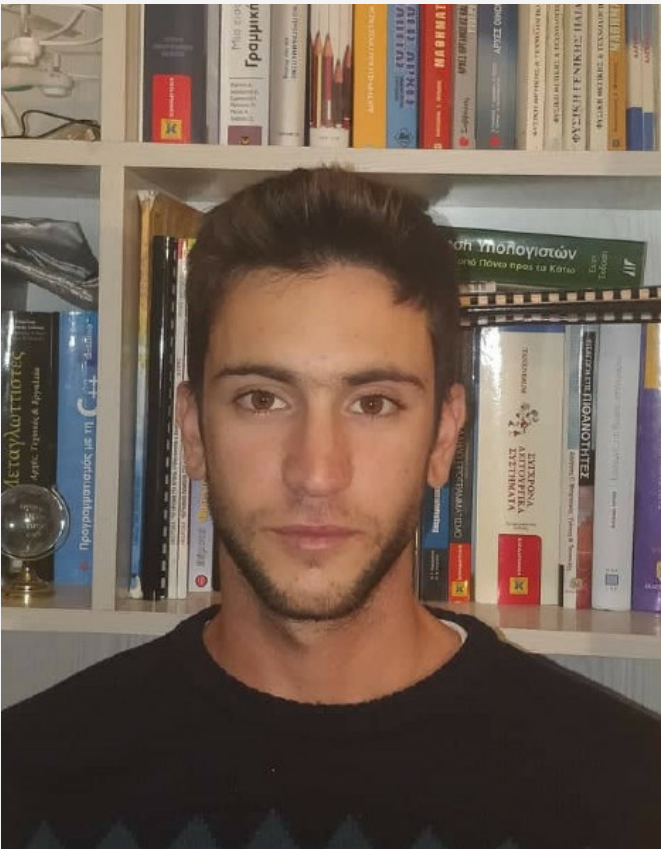
### micro tcp protocol

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



## Personal Info

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Date of birth

1994-01-25

## Languages

English

fluent

German

Novice

Greek

mother tongue

## Programming languages

- C
- C++
- Java
- Javascript
- Ocaml
- Python

*HY342-Parallel Programming*  
pthreads, javathreads, OMP, TBB

**Web page to control a lamp using Arduino in local area network**  
arduino, arduino ethernet schield, relay, lamp

**Additional Activities**

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 I have three years of experience working in the coasts of Crete.

**Applications/Technologies**

Visual Studio , Eclipse NetBeans ,  
VirtualBox, Git, Matlab, Unix Shell

**Operating systems:** Windows ,  
Linux

**Web Developmen:** HTML , CSS ,  
CSS Grid ,CSS Flexbox , Bootstrap ,  
Javascript , JSP