Georgios Zervas

Information & Communication Systems Department

Olympou 25A Ilion Athens | 6983741574 | george.zervas@windowslive.com
linkedin.com/in/george-zervas-436248138/

Experiences

Undergraduate Student 2013 - 2018
University of the Aegean

CitySens 2017 - 2017
1st Crowdhacathon

We took part as an IT Crowd team in the first Crowd Hacathon contest in Athens. We created a chat bot on the facebook messenger, which involves sending complaints and sending ratings for certain municipality services. It's name is CitySens and it is available on Facebook. We created also a Website which support this bot. This bot creates open data which, through appropriate processing techniques, can provide useful information to the city's administrative staff. Identify weaknesses and tackle them effectively. We used Node-JS to create the bot and CSS-HTML5 for the Website.

El Greco Humanoid 2017 - Present
University of the Aegean

As a member of the Aegean Robotic Team we created a humanoid. His name is El Greco and it consists of two arms, a head, and a body. Is able to to move in any direction using tracks. It is also be implement the ability to make gesturres,recognize the enviroment and people around him. It can also speak Greek and recieve orders via voice command. The hole robot is 3D-printed and it has servo motor inside his body to move all the moving parts. We use python to programm the robot. The user of the robot can easily handle through the GUI that we have created. This GUI consist of three different types of functions which are low-level,middle and high-level functions. The robot has a camera on his head and El Greco has the ability to recognize text at almost any language and read it. The face recognition througn OpenCV techniques and image processing algorithms.

ITURO 2015 Robot Olympic Games 2015 - 2015
ITU - Information Technology University of Instabul

Aegean Robotic Team created an autonomous robot that moves on a prescribed track and detects fire. We used Arduino UNO for the main movements of the robot . The robot can follow the walls of the track, and detect fire. We also used a blower to blow out the candles on the track.

Education

Graduate 2010 - 2013
4o High School Ilion Athens

Certificate of Competency in English 2010 - 2012
The University of Michigan

Skills

Java

I have the basic knowledge of Java. Im deeply involved in the distributed systems using Java. I have also worked on with the security of information systems. In Projects section you can see some of them.

Html5

Im still working on a website called tableon.gr. It is a new idea, on which i am working on this period of time. I am the creator of all the front-end that this site has.

CSS-Bootstrap

I have made the site tableon.gr using css and bootstrap. I know how to make a website mobile friendly and user friendly. Im still working on making the site more attractive and more functional to non-specialized users.

PHP

As mentioned before, I created a website, which means im also involved in the back-end part of it. The connection between the front-end and back-end is via PHP. Im not extremly specialized, but I know a few things on how to get data from a data base and visualize it.

MySQL-PL SQL

I have worked with those two platforms, so im familiar with them. Our university offers us the oppurtunity to understand many basic things of these different

Zetificat Deutsch 2009 - 2010

Goethe-Zertificat B1

Projects

Table-On 2017

University

It is an innovative application that i created for some different courses with 2 fellow students . The idea is to have an overview of how many free tables a shop has before someone visits it. You can visit the website tableon.gr and see my front-end job.

Bear-Rescue 2017 - 2017

Aegean Robotics Competition 2017

As a member of the Aegean Robotic Team we created an autonomous robot that moves on a prescribed track and recognizes a teddy bear. We have used Arduino Mega for main movements of the robot and a Raspberry-pi3 to recognize the bear. The identification of the bear was done with Open CV platform and some image processing libraries. About the hardware of the robot we used DCMotors,UltraSonic Sensors and a Servo motor to grab the bear.

Chat Room based on I2P Network with AKA 2016 - 2016

University

I have created a Chat which uses I2P Anonymous Network to send messages. The chat also uses mutual authentication with the AKA protocol, in which the user has a digital certificate type X.509. The AKA protocol takes place at the beginning of each communication. The certificate was created with OpenSSL.

Chat Room based on I2P Network and TLSv1/SSL Protocol 2016 - 2016

University

I have created a Chat Room in which the SSL/TLSv1 protocol is used to authenticate to the Server and I2P Network to communicate with each other. The protocol provides data encryption,certification throw X.509 and data integrity. The chat room supports unicast or multicast mode.

Flight-Booking using RMI 2016 - 2016

University Project

I have created a ticket reservation system with RMI technology.I have designed a GUI for the application in a way to make it more attractive. I have managed some race conditions which i encountered during the creation of the app.

Summary

Im an active member of the robotic team at the university. I have the opportunity to learn a numerous programming languages and technologies at the university and i know them quite satisfactionaly. I aspire to learn new things and I have a great obsession with details, since I am an perfectionist. I aim with this internship to broaden my horizons and to become an overview of how great companies work. Thank you for your time and I hope you contact me.

databases. I have made two big projects in each technology which included setting up the database and visualizing certain queries about it.

Node-JS

I have basic knowledge of Node-JS.I have been working with the language for the last month because of the creation of a chat bot on facebook. I still learn

Unix

I have configured several different linux distributions. In particular, I have been concerned with the security of these systems and the addition of some tools to preserve their integrity.

C++

I have made several projects in C++ but I'm not as involved as in Java. We are not given many opportunities to get deeper in this language and learn more core things.

Python

On the last robot that the Robotic Team has made we used Raspberry-pi3. I worked on the basic things in Python language. I have made some scripts but I only used a few functions and variables.