


# Varnalidis Konstadinos

Electrical & Computer Engineer

## About me


I like coding , learning new languages and trying to improve my skills. In my free time I like to use sites like leet code in order to improve my way of thinking about problems and also learn new algorithms for the solution of specific problems. I try to stay in touch with the programming languages and technologies that are hot in the the job market. This period I am learning Cloud Computing technologies throw Udemy.

## Contact

 Born on 05/04/1996, Age 26

Military Service Completed

 kostasvarnalidis@gmail.com

 +30 6946007210

 Mpoupoulinas 15  
62125 Serres , Greece


 kostas-varnalidis

 Kvarnalidis

 Car Available, Driving License B

 My personal site. Check it out.

## Languages

 Greek - (Native Language)

 English - (Michigan Proficiency C2 )

## Programming Languages

- **Python:** Intermediate
- **SQL:** Intermediate
- **C:** Intermediate
- **Java:** Basic
- **JavaScript:** Basic+
- **HTML,CSS:** Basic+
- **Docker,Kubernetes,AWS:** Basic

## EDUCATION

2014-  
Ongoing




**Integrated Master Degree**  
**Technical University of Crete**  
*Faculty*  
Electrical & Computer Engineering

 Chania, Crete

## WORK EXPERIENCE

2017-2020


**Mini Market Employee**

 Chania, Crete

I was the cashier and in charge of the stores' needs like reordering products out of stock refilling fridges and selves and checking for expired products.

2014-2016

**Board of European Students  
of Technology**

 Chania, Crete

I helped organize multiple events like engineering competition, General Assembly ,European Board Assembly and I was the main organizer on Summer Course 2015. I was also a team member of the FR (Fund Raising) team.

## Projects

**Parallel  
Programming**  
2019

**Find the given DNA sequence in a given text file.** The target of the project was to perform a search of the sequence in a huge array of data 64GBs of RAM and by using different ways and techniques to minimize the compute time.

**Databases**  
2020

**Implement a Relational Database and write scripts for the asked queries**  
The first request of the project was to implement the relational database in MySQL. The second request was that in a immense relational db given the schema to right the scripts for the asked queries having in mind the execution time.

**Operating  
Systems**  
2017

**Transform the scheduler of the OS from single cycle to multi cycle** After studying and understanding the OS we had to change the scheduling procedure as well to implement the use of threads by implementing the required functions.

**Web  
Development**  
2019

**Create a tourist guide website** Using Django for the framework and HTML, CSS for the front end we developed an algorithm which by using the user inputs was outputting the best place for him to choose from our database using Euclidean distance.

**Computer  
Architecture**  
2018

**RISC-V Processor** The goal of the project was to create a RISK processor form ground up in three different stages using Xilinx ISE .I started by creating the single cycle first then by adding the needed registers I transformed it to multi-cycle and in the end by changing the control and datapath I made it pipelined.

**Computer  
Architecture 2**  
2018

**Maximizing Usage** The goal of the project was use the maximum space in a processor using Vivado. I implemented a simple module and the try to use the max space of the processor in order to achieve better computational times.

## — Soft Skills and Strengths —

Curiosity

Flexibility

Ability to Plan and Organize

Problem Solving

Team Working

Love Learning New Things

Good Communication



## INFORMATION TECHNOLOGY SKILLS

## Data Analysis

**MATLAB:** *Basic***Tableau:** *Basic***R:** *Basic*

## Data Science

**Tensorflow 2.0:** *Basic***Pandas:** *Basic***NumPy:** *Basic***Sklearn:** *Basic*Modeling and  
Simulation**Xilinx-ISE :** *Inter***Vivado :** *Basic*

## FrameWorks

**Django :** *Intermediate***React :** *Intermediate*Office  
Automation**MS Office (Excel, Word, PowerPoint):** *Advanced***TeX:** *Intermediate*

## Personal Projects

My own  
Portfolio

This is my own website for my job search. It is developed with React.js Javascript and CSS. It is hosted on heroku and is mainly front-end.

## Chess Game

This is my try to code a chess game with an AI opponent, right now it's just with yourself. It's made with Python and Pygame. You can find it in my github or by clicking the github icon at my website.

Projects in the  
making

At the moment I am aiming to finish the to do list in my chess game and after to start a stat tracking web application for the Euro-league and the NBA.



## Certificates



- The Data Science Course 2022: Complete Data Science Bootcamp
- Google Data Analytics Professional Certificate