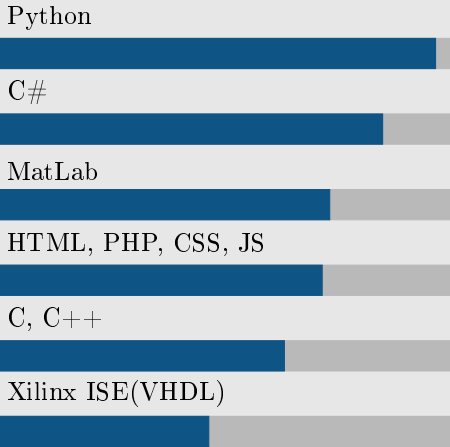# Konstantinos Fournarakis

Electronics Engineer

- 21 August 1990
- Greece
- fournarakis.org & LinkedIn
- k.fournarakis@protonmail.ch

About me

I am a dedicated, self-inspired and friendly individual. I work well in a team but also on my own as I like to set goals which I will achieve. I have good listening and communication skills. I am very willing to learn and develop new skills. I have a creative mind and am always up for new challenges. I am well organized and always plan ahead to make sure I manage my time well.

Skill

Python

C#

MatLab

HTML, PHP, CSS, JS

C, C++

Xilinx ISE(VHDL)

English★5 Greek★6
Polish★1 German★1
French★1

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

experience

3/19 - today	Test Automation Engineer	Synopsys

— Key Responsibilities —
Jenkins Administration.
Jenkins hardware node and network setup.
Automation flow integration.
Linux shell scripts development.
First level debug of embedded Software Applications and Drivers.
First level debug and improvement of FPGA design prototyping flow.
Analysis of hardware boards documentation and software specifications.
Writing technical documentation & presentations of Automation Releases.
Languages: Python, Groovy, Bash & PowerShell scripts.
Agile Scrum on Atlassian Jira

7/18-2/19	Fully Autonomous Car Convoy	Project (Université Evry Val-d'Essonne)

Stereovision for pedestrian avoidance and environment mapping.
Board: Raspberry pi | Languages: Python, Tensorflow, Matlab

2-7/2018	Infrared Laser Radar	Project (Politechnika Poznaska)

Design and implementation of a radar system for real time scanning.
Board: STM32 Nucleo | Languages: Matlab, C

4-9/2017	Technician Intern	Vision Mavridakis

A challenging internship in the field of Industrial-Home
Security Systems and Automation. Topics: ATM maintenance, Fiber optic
networks installation, Security Systems installation and configuration.

5/16-1/17	Steganography Techniques	B.Sc Thesis (ATEI of Crete)

Design and implementation of a steganography software.
Method: LSB | Language: C#

volunteer experience

5/2016	Hackathon (Panoptis 2016)
10/2016	Transparent & flexible electronics (ELBYSIER)
8/2013	Spintronics and applications (TRANSELECT)
7/2013	Transparent electronic Materials, Devices & Circuits (TRANSELECT)

interests

Running, Socializing, Chess, Petting animals, Reading (sci-fi), Reverse engineering

education

2018-2020	M.Sc. Smart Aerospace	Université Evry Val-d'Essonne

Advanced artificial perception; Aerial Robots;
Aeronautical Software; Flight communications; Flight control;
Flight Modelling and simulation; Mission decision making; French language

2018-2020	M.Sc. Autonomous Systems	Poznan University of Technology

Adaptive Control; Basics of Control Engineering;
Basics of Smart Systems; Fundamentals of Autonomous Systems;
Introduction to Robotics; Networks and programming systems;
Non linear Systems; Sensors Integration; Management;
Interpersonal skills; Polish language

2008-2017	B.Sc. Electronics Engineering and Applied Sciences	ATEI of Crete

Specialized in Automations - (ISCED 5A)

side projects

2018	Autonomous AI robot. Project@(Politechnika Poznaska) (Neural network for obstacle avoidance and trajectory correction)
2016	Text to Morse code translator. Project@(ATEI of Crete)