KONSTANTINOS
PAPAKONSTANTINOU
MSc Electrical and Electronic Engineer

ABOUT ME

Highly skilled and resourceful Entry Level Electrical and Electronic Engineer with a superb work ethic and engineering research background located in Greece.

Adept at determining client needs and meeting project goals. Looking for an Entry level position that will enable me to use my strong skills and educational background.

INFORMATIONS

♂ Male   📅 17/Sep/1995   🌐 Greek

🏠 188 63, Perama, Athens, Greece
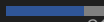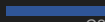
✉ kwctas.pap@outlook.com

in https://linkedin.com/in/kwstaspapakonstantinou

◯ https://github.com/Tazakoc
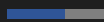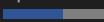
▯ (+30) 6959144127

☎ (+30) 210 08050694

LANGUAGE

Mother tongue(s): Greek

English

Listening	Reading	Writing
C1	C2	C2

Spoken Production	Spoken Interaction
B2	B2

OTHER

Driving Licence

Motorbikes: A
Cars: B

Army Duties Fulfilled

INTERES

Out of the office you'll find me playing games, learning, and automating everything.

Graphical Design
Photoshop
Illustrator
Blender
4D Cinema

Automations
Home Assistant
Arduino / Raspberry Pi

Gaming
Unity

PROJECTS

Apr 2022 – Present
Portfolio
Stuck Used: HTML, CSS/SASS, JavaScript with React.
App usage: I started developing this portfolio for educational purposes. The main part of my educational goal was HTML, CSS and JavaScript programming languages. React JavaScript library is also used for further training in modern tools.

Mar 2021 – Jun 2021
Spectrum Database for Military Usage
Stuck Used: JavaScript, SQLite, jQuery, HTML and CSS.
App usage: The application includes a table in which a frequency can be stored with various text information (Name, Description etc.) but also information such as Image, Video and Audio which the user can play. The application is equipped with authentication system with user and administrator. The administrator can accept frequency store requests from user so that frequencies can be stored in database. At the end only administrator have the permissions to edit the values from database.

Jul 2020 - Sep 2020
Visual Detection of Corrosion for Marine Vessel Inspection
Stuck Used: Python (NumPy, OpenCV) and Matlab
App usage: In this project two algorithms (Binary Tree Algorithm and Multi-level Thresholding Algorithm) were developed to support the inspections of a ship hull. The first algorithm (Binary Tree Algorithm) detects rust and relies on the application of branch trees and with its Eigen values the algorithm manages to detect the pixels that contain rust. The second algorithm undertakes to filter the images resulting from the first algorithm to isolate only the erosions and you rely on a multi-level threshold method so that the final image tends to have the most rust detected.

EDUCATION

2019 - 2020
Electrical and Electronic Systems Engineering
University of Portsmouth   https://www.port.ac.uk
Address: Winston Churchill, Portsmouth PO1 2UP, Portsmouth, United Kingdom
Final grade: Distinction   **Level in EQF:** EQF Level 7
Thesis: Visual Detection of Corrosion for Marine Vessel Inspection
Main subject / occupational skills covered:
- Advanced DSP Techniques
- Electrical Machines and Drivers
- Electrical Power Systems Technology
- Engineering Management and Risk Analysis
- Microwave and High Voltage Design
- Sensors and Measurement Systems

2014 - 2018
Electrical and Electronic Engineering
University of East London   https://www.uel.ac.uk
Address: University Way, London E16 2RD, London, United Kingdom
Final grade: Second Class (Upper Division)   **Level in EQF:** EQF Level 6
Thesis: Design and Implementation of Unmanned Aerial Vehicle
Main subject / occupational skills covered:
- Engineering Computing and Mathematics
- Software Engineering and Microprocessors
- Engineering Science and Application
- Analogue and Digital Communications
- Control, Electrical and Power Systems
- RF Electronics
- DSP and Embedded Systems
- Circuit Analysis

SKILLS

Computing
- Excellent knowledge of windows 10, 11 and Linux (Kali, Ubuntu).
- Excellent knowledge of hardware and assembling computers.
- Good knowledge of networking.

Programming Languages
- Good knowledge of Matlab and Python from my thesis and university exercises.
- Basic familiarity of Relational Database (MySQL) from my military side project.
- Good familiarity of HTML, CSS and JavaScript from my portfolio.
- Basic familiarity with Git.

Microprocessor
- Excellent knowledge of Arduino.
- Basic familiarity of Raspberry Pi.

Essentials Skills
Strong decision maker, critical thinker, and high attention to detail with the ability to think around problems to unusual yet highly effective solutions.