

Kyriakos

Embedded Systems Engineer

| +49

| EU Citizen

Skills

- **Programming:** Python, C/C++, Matlab, VHDL
- **Embedded:** Microcontrollers, FPGAs
- **Circuit Design/ Sim:** EAGLE, LTSpice
- **Dev. Utilities:** VS Code, Git
- **Frameworks:** Keras (TensorFlow)
- **Operating Systems:** Windows, Linux, ROS

Experience

Research and Teaching Assistant **University of Klagenfurt, Austria** Mar 2020 - Mar 2024

- Collaborated in research projects of the group/department. Aided in the safe and timely conduct of drone related experiments.
- Engaged in administrative and organizational tasks of the department/university.
- Managed successfully overcrowded classrooms with limited resources.
 - Design of Digital Circuits (Lab). (VHDL, FPGAs)
 - Sensor Networks (Lab). (C/C++, Microcontrollers)

Researcher **Sapienza University of Rome, Italy** Sep 2018 - Feb 2019

- Enhanced significantly the web browsing experience of visually impaired people by contributing to the development of an AI system in the I4ALL project. (ROS, Python, http/rest, PDDL)

Biomedical Engineer (Internship) **Diachel S.A.** Jul 2013 - Feb 2014

- Engaged in installations, maintenance, refurbishing, troubleshooting and repair of medical Instrumentation. (Electronics, Hardware)

Education

PhD Degree, Localization and Control of Networked Robotic Systems, University of Klagenfurt, Austria Mar 2020 - Present

- Currently working on finalizing

MSc Degree, Artificial Intelligence & Robotics, Rome, Italy Oct 2016 - Mar 2019

BSc Degree, Biomedical Engineering, Technological Educational Institute of Athens, Greece Oct 2009 - Sep 2014

Languages

- Greek (Native)
- English (Bilingual proficiency)
- German (Intermediate)
- Italian (Intermediate)

Projects

Smart Green House: Lead the development of the electronic/ hardware components of a smart green house that allows a user to monitor the atmospheric and soil conditions of the green house and regulate the conditions remotely. (C/C++, I2C, SPI, MQTT, NodeRed, ESP32)

Remote Real-time Recording of Bio-signals from Multiple Sensors: Developed a standalone device that harvests bio-metric data from a patient and transmits them wirelessly to a computer for visualization on a bedside monitor developed in C# as well as to an online dashboard. (C/C++, C#, ATM328)

Additional

- Experience in embedded C/C++ programming of 8-bit and 32-bit RISC microcontrollers
- Experience in embedded programming of Altera FPGAs
- Hobbyist electromechanical technician -Tinkerer