

# Konstantinos Chondralis

[khondralis@gmail.com](mailto:khondralis@gmail.com) | Athens, Greece | +30 6983588913 | [My website](#)

## Projects

**SysTick Driver** - Developed a bare-metal SysTick driver in C for ARM Cortex-M4 microcontrollers, enabling precise millisecond and microsecond delays through direct hardware register manipulation. [Link to Github](#)

**STM32 Debug Shell** - A debug/control REPL shell that allows the user to inspect registers, show status of peripherals (GPIO, ADC ...) and simple control features like led toggling or GPIO configuration.

## Experience

### Energy Aspects

Athens, Greece

Software Engineer

03/06/2024 - present

- Developed and maintained API endpoints and data pipelines using Python, SQLAlchemy, Pydantic, and Apache Airflow, ensuring robust data validation and scheduling.
- Built tools for data sampling, export, and storage (PostgreSQL, S3, Boto3), and implemented automated CI/CD pipelines with GitHub Actions.
- Designed and managed database schemata, triggers, and procedures to support evolving data requirements and efficient backfilling.

### Intracom Telecom

Athens, Greece

Software Engineer on Cloud-Native Applications

01/07/2022 - 31/05/2024

- Designed and implemented software to optimize resource utilization on telco cloud infrastructure

### Hellenic Army

Samos, Greece

IT Support Specialist, (Private OR-1)

21/09/2021 - 21/06/2022

- Provided 24/7 technical support for PCs, networks, and software systems within the battalion ensuring operational continuity.
- Administered Active Directory, local network infrastructure, and internal software systems.

## Education

### University of Ioannina

Ioannina, Greece

*Department of Computer Science and Engineering*

Integrated Masters Degree (EQF 7)

09/10/2015 - 14/07/2021

**Relevant courses:** Computer Architecture, Systems Programming(C, Unix), Operating Systems, Digital Design, Microelectronics

**Diploma Thesis:** Refactoring of the parser of a tool for the extraction of schema evolution histories.

## Skills

**Languages:** C, Python, Bash

**Embedded Platforms:** STM32, FreeRTOS

**Protocols:** UART, SPI, I2C

**Soft skills:** Easy to work with, Eager to learn, Quick learner, Patient, Adaptable, Problem solving mentality

## Courses and Certificates

**ESE101: Embedded Systems Essentials with Arm: Getting Started**

edX/Arm Education

09/09/2025

[View Certificate](#)