

Klevis Resuli

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SKILLS & INTERESTS

- **Technical Skills:** C, C++, Python, Assembly, SystemVerilog, VHDL, RTOS (FreeRTOS, Zephyr), Microcontrollers (AVR, STM32, ESP32), Communication Protocols (I2C, SPI, CAN, UART, RS485, BLE), CMake/Make, Git, MATLAB, Simulink, Linux, HIL testing, GoogleTest, JTAG
- **Language Skills:** Albanian(Native), English(Advanced professional proficiency), Italian(Limited working proficiency)
- **Interests:** Embedded Systems, Electronics, Technology, Sustainability, Reading, Traveling, Training

EDUCATION

Norwegian University of Science and Technology(NTNU) **August 2023 - August 2025**

Master of Science, Embedded Computing Systems (EMECS) – Joint Degree

Trondheim, NO

Erasmus mundus full scholarship holder

Coursework: Microcontrollers, Embedded C, C++, ARM assembly, RTOS, FPGA/SystemVerilog HDL, Distributed Systems, Robotic Vision, Compiler Construction, Communication protocols

Rheinland-Pfalz Technical University(RPTU)

August 2024 - August 2025

Master of Science, Embedded Computing Systems (EMECS) – Joint Degree

Kaiserslautern, DE

Erasmus mundus full scholarship holder

Coursework: Microcontrollers, Embedded C, C++, System C, Virtual Prototyping, SystemVerilog HDL, Formal Verification, GoogleTest, CI/CD

Polytechnic University of Tirana

October 2019 - July 2022

Bachelor of Science, Electronic Engineering

Tirana, AL

Top Academic Achiever of the 2022 batch

Coursework: Microcontrollers, C/C++, Algorithms and Data Structures, FPGA/VHDL HDL, Classical Control Systems, Data Communication & Networking, Circuit Analysis

WORK EXPERIENCE

NTNU

June 2024 – September 2024

Summer internship

Trondheim, NO

- Developed a nanogrid telecommunication system using ESP32-WIFI-MESH for the Energica project.
- Implemented RS485 protocol for reliable serial communication and maintained an MQTT-based monitoring system integrated with PostgreSQL.
- Conducted performance testing and optimized firmware for efficient data transmission.

Kineton Albania

September 2022 – August 2023

Test Engineer

Tirana, AL

- Collaborated with Maserati on the M189 project, providing automotive consulting services as part of Kineton.
- Applied V-Cycle methodology to develop comprehensive Verification and Validation tests for powertrain software.
- Executed tests in a hybrid environment, identifying and reporting critical software bugs within set deadlines.