

# Klevis Resuli

klevisresuli@outlook.com ❖ +4741195239 ❖ Trondheim, Norway ❖ [Portfolio link](#)

---

## 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.