

# Klevis Resuli

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## EDUCATION

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### Norwegian University of Science and Technology

August 2023 - Present

*Master of Science, Embedded Computing Systems (EMECS)*

*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

August 2024 - Present

*Master of Science, Embedded Computing Systems (EMECS)*

*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

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### NTNU

June 2024 – September 2024

*Summer internship*

*Trondheim, NO*

- Collaborated with Nanoe on the Energica project to develop a nanogrid telecommunication system using ESP32-WIFI-MESH.
- Used RS485 protocol for reliable communication between ESP32 devices and the nanogrid controller.
- Maintained an MQTT-based system for real-time monitoring with integration to PostgreSQL databases.

### Kinton Albania

September 2022 – August 2023

*Test Engineer*

*Tirana, AL*

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

## SKILLS, & INTERESTS

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- **Technical Skills:** Microcontrollers, C, C++, Python, Assembly, HDL, RTOS, Communication Protocols(I2C, SPI, CAN, UART, RS485, BLE), Build Tools, Git, MATLAB, Simulink, Linux, HIL testing, Problem Solving
- **Language Skills:** Albanian(Native), English(Advanced professional proficiency), Italian(Limited working proficiency), German(Limited working proficiency)
- **Interests** Embedded Systems, Electronics, Technology, Sustainability, Reading, Traveling, Training