

EDUCATION

University of Zagreb, Faculty of Electrical Engineering and Computing, Croatia

Masters Degree in Electrical and computer engineering

October 2022 – July 2024

- Masters Thesis: ***Designing a new generation system for High Density surface Electromyography***
 - *created a wireless system for measuring from a daisy-chain of smaller electrode arrays*
 - **won 3. place** at the ZESOI masters thesis workshop 2024 (DIRA 2024)
 - **awarded silver medal** at the International Innovation Exhibition (ARCA 2024)

Bachelors degree in Electrical and information technologies

September 2018 –

- Final Project: ***Data Transfer to external memory during microcontroller programming***

September 2022

WORK EXPERIENCE

SES-imagotag

Junior Firmware engineer

March 2022 – November

- Data transfer optimization to external microcontroller memory
 - *created microcontroller code, computer and debugg scripts for automated transfer of large files to a microcontroller's external flash memory*

2022

PERSONAL PROJECTS

Arduino automated plant watering system

June 2020

- Arduino board connected to soil moisture sensors and water pumps to water each plant based on individual plant needs

Python script for real-time data acquisition from a virtual communication port

December 2020

- Implemented a multithreaded python script for reading and displaying data from a virtual communication port

VOLUNTEER WORK

Electrical engineering students Club (KSET)

Computing section member

January 2022 – Today

- Internal club projects
 - Electronic door lock
 - Portable body thermometer with data storage for cyclists

TECHNICAL SKILLS

Intermediate

C, Python, MATLAB, GDB

Novice

GIT, Powershell, Java, LaTeX, SEGGER J-link, C#

PLATFORM EXPERIENCE

ST Microelectronics, Espressif, Silicon Labs, Arduino

OTHER SKILLS AND INTERESTS

languages	Croatian (native), English (fluent), German (basic)
Interests	Space industry, Computer-brain interfaces, active prosthesis and board games