

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

Bachelors degree in Electrical and information technologies

September 2018 –

September 2022

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

WORK EXPERIENCE

SES-imagotag

Junior Firmware engineer

March 2022 – November

2022

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

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