

Iva Hrastnik

Zagrebačka cesta 185 A, 10 000 Zagreb, Croatia

iva.hrastnik2@gmail.com
linkedin.com/in/iva-hrastnik
github.com/ivahrastnik
+385 91 511 5758

EDUCATION

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

Pursuing MSc in Control systems and robotics

Sep 2021 – Feb 2024
(expected)

- currently working on Master's thesis: *Generating new perspectives of an object from two-dimensional images using neural networks*
- relevant courses: *Machine Learning 1, Fundamentals of robotics, Autonomous Mobile Robots, Multi-robot Systems, Embedded Systems, Computer-Controlled Systems, Internet of Things, Service and application development for iOS, Ambient Intelligence and Assisted Living, Robotic Sensing, Perception, and Actuation*

BSc in Computing

Sep 2018 – Sep 2021

- final thesis: *Meal preparation planning for team of different robots*
- relevant courses: *Object Oriented Programming, Algorithms and Data Structures, Databases, Web and Mobile Software Development, Communication networks, Software Engineering, Computer Security, Introduction to Artificial Intelligence, Robot Programming and Simulation, Robotics practicum*

V. Gymnasium, Zagreb, Croatia

Gymnasium of natural sciences and mathematics

Sep 2014 – Jun 2018

Elementary school, Zagreb, Croatia

Electronics National Competition, 1st place

May 2014

Elementary school of ballet and contemporary dance, Zagreb, Croatia

Sep 2011 – Jun 2015

PROJECTS

PlishivaApp, MovieApp

Feb 2023 – Jun 2023

- *Service and application development for iOS* course at FER/Endava
- solo final project and homework project: *Swift/UIKit iOS Mobile Apps*
- <https://github.com/ivahrastnik/IOS-Vjestina-PlishivaApp.git>
- <https://github.com/ivahrastnik/iOS-Vjestina-MovieApp.git>

Marble training week in Trieste

May 2023

- Training Course in Maritime Robotics for Blue Economy
- *The MARBLE project was aiming to raise competences and skills in maritime robotics application in the domain of blue economy*

University of Zagreb Rector's Award

Mar 2022 – Jun 2022

- Team project: *SimplyDigitize, digitalization system based on photogrammetry*

PlantScan

Sep 2020 – Feb 2021

- Team project during final year of BSc: *Hardware, Software (Python, ROS, Meshroom)*

Geofighter app

Sep 2020 – Feb 2021

- Software Engineering course team project: *Spring Boot/Angular WebApp*

STEM Revolution in Society

Sep 2018 – Feb 2019

- Introducing MicroBit technology to children: *Education, presentation and interactive workshop at Robotics class for elementary school students*

TECHNICAL SKILLS

- **Python** – used in university courses and projects
- **Java (SE, EE)** – used in university courses and projects
- **C/C++** – used in university courses
- **Linux, ROS** – used in university courses, projects, final thesis
- **MATLAB** – used in university courses
- **GIT, PostgreSQL** – used in university courses and projects
- **Swift, UIKit** – used in university courses and projects
- **HTML, JavaScript, CSS, Angular, React** – university courses

OTHER SKILLS AND INTERESTS

Languages	Croatian (native), English (fluent), German (basic)
Current hobbies	Singing at Rezonanca (Female a cappella group at FER), Fitness, Crocheting and creating stuffed animals
Skills and	Well developed soft skills, Guitar and Piano playing, Jewelry making, Cooking and baking, Dance (14 years of training)
Interests	Robotics, Computer Science, Social Networks and PR, Photography, Travel, Art
Driving licence	Since 2018.