

Matija Zigic



Contact

Address:
59A Ivancgradska
Zagreb
Croatia

Phone:
+385 98 551721

Mail:
zigic.matija@gmail.com

Web:
LinkedIn

Languages

Croatian C2
English C2
German A2

Skills

Robotics, ROS
AI, Machine Learning
LIDAR, Stereo, RGB-D
Linux, Scripting
C, C++, Python
Automation,
PLC/Scada
Embedded
Docker
Android
SQL

Experience

- 2017 - Now **Gideon Brothers** Zagreb, Croatia
Robotics Software Engineer
Designing different parts of automated robotics system for logistics purposes. Working on challenging DATMO (Detection and Tracking of Moving Objects) problem in crowded environments using different sensors like LIDARs, Stereo and RGBD cameras. Participated in solving various Computer Vision problems and Real-Time enhancements. As part of Navigation team worked on planning and control tasks.
- 2017 - 2018 **Aeolus Robotics** Worldwide
Robotics Software Engineer
Aeolus Robotics is worldwide company bringing the first generation of household robot assistants into people's home. Working on interface between robot's brain and low-level microcontrollers. Designing interface to control, test and simulate sensors, arm and base motion.
- 2014 - 2017 **Farmeron** Zagreb, Osijek, Croatia
Software Development Engineer
Developing cloud-based farm business management software. Mobile applications, API and backend development. Integration with different hardware devices using various technologies.
- 2014 - 2017 **Intis** Worldwide
Project Engineer
Working on hardware and software design for various branches of industry. PLC and SCADA industrial software development. Matlab simulations. Commissioning worldwide (China, European union).

Education

- 2010 - 2012 **M.Sc.** in Control Engineering and Automation Zagreb, Croatia
University of Zagreb, FER
- 2007 - 2010 **B.Sc.** in Control Engineering and Automation Zagreb, Croatia
University of Zagreb, FER

M.Sc. Thesis: Robust voice activity detection for applications in mobile robotics

B.Sc. Thesis: Design of electric vehicle voltage converter

Certifications and Online Courses:

Machine Learning, Power Electronics, Embedded Systems

Image Processing, Computer Science, Artificial Intelligence for Robotics

Hobbies

Homemade robots, Automation, Artificial Intelligence, Microcontrollers, Machine Learning, Quad-copters, Football, Reading, Cycling, Travelling

Reference

- Assistant Professor **Mr. Ivan Markovic** FER, University of Zagreb
ivan.markovic@fer.hr
- Lead Embedded Engineer **Mr. Felipe Lavratti** Aeolus Robotics
felipelav@gmail.com