

# IVICA MATIC

## COMPUTER TECHNICIAN SOFTWARE ENGINEERING STUDENT

### PROFILE

Software Engineering student at Nottingham Trent University. Highly technology skilled, Computer Technician by vocation. Passionate individual willing to explore new options and improve his skills every day.

### EXPERIENCE

#### Design Engineer

Sundance Multiprocessor Technology Ltd.  
(May 2020. - Present)

Software Engineering for Embedded FPGA Platforms  
Computer Vision systems  
Object Detection Neural Networks implementation and training  
Creating and Maintaining Technical Documentation  
Python and Python3  
ROS and MQTT

### CONTACT

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### EDUCATION

#### Nottingham Trent University, UK

Software Engineering Undergraduate Student  
(2018. - expected 2022.)

Programming in C++, Python, Java, C#  
System analysis and design  
Advanced computing and technology  
Creating basic and advanced web applications using Django and Flask  
Experience with HTML, CSS and JavaScript  
Experience using Agile and XP methodologies

#### Technical school Slavonski Brod, Croatia

Computer Technician (2014. - 2018.)

Computer and network maintenance  
Network design and implementation  
Databases and programming in C#, C++  
Electrical engineering fundamentals  
Design and implementation of embedded systems

## AWARDS

- Award for best Final Dissertation on topic "Universal IoT development board", Slavonski Brod, Croatia, May 2018.
- 1st place for "Universal IoT Development board" at regional Croatian contest "Mladi @ Inovacije 2018"
- 2nd place for "Universal IoT Development board" at "Science Fair Ivanic grad 2018"
- 3rd place for "Universal IoT Development board" at Inter-regional contest at University of Zagreb, Faculty of Electrical Engineering and Computing, 2018
- 3rd place in regional contest "Fundamentals of Electronic Engineering and Electronic Measurements"

## CERTIFICATIONS

### Xilinx Alliance Partner

- Xilinx Alliance Partner Training v2018.3
- Xilinx Alliance Partner Training v2019.2

### MIC - Šolski center Škofja Loka, Slovenia - PLC Programming Certificate (2016.)

- Fundamentals of PLC programming
- Automation of basic industrial processes

### Radio Amateur Operator, 9A3ICE

- Antenna design
- Advanced analogue electronics
- Radio Communication Procedures
- Radio Electronics engineering

## EDUCATION PROJECTS ATTENDED

### Robotic Education "Robo Challenge" Slavonski Brod, Croatia

- Basic principles of robotics
- Robot design
- Electronic design
- Using sensors and actuators
- Programming in Basic and C++

### Education For New Energy Technologies. ThinkPink Technological Solutions, Seville, Spain

- Energy saving procedures
- Working principle PID regulators
- Drone and RC Aircraft assembly Remote control over radio
- Flight procedures
- Battery constructions and charging procedures

## PERSONAL PROJECTS

### Universal IoT development board

- Advanced electronic design
- PCB Designing, assembly and testing
- Project prototyping and planning
- Implementation of various IoT protocols
- Knowledge of embedded hardware and systems
- Large scale implementation and manufacturing