

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

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

HOBBY 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