IVICA MATIC

COMPUTER TECHNICIAN
SOFTWARE ENGINEERING STUDENT

PROFILE

Software Engineering student at Nottingham Trent University. Highly technology skilled,Computer Technician by vocation. People person, willing to help anyone in need when necessary.Passionate individual willing to explore new options and improve personal skills every day.

EXPERIENCE

- Network administrator
- C++, Python and VB programming
- IoT implementation
- Electronics Engineering
- Electronics board design (PCB)

CONTACT

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EDUCATION

Nottingham Trent University
Software Engineering 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 similar methodologies

Xilinx Alliance Partner
Xilinx Alliance Partner Training v2018.3

Technical school Slavonski Brod, Croatia
Computer Technician (2014. - 2018.)

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

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

Fundamentals of PLC programming
Automation of basic industrial processes

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 for "Arduino RC Car" at "Science Fair Ivanic grad 2017"

- 3rd place in regional contest "Fundamentals of Electronic Engineering and Electronic Measurements"

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

Radio Amateur Operator, 9A3ICE

- Antenna design
- Coax cable calculations
- Advanced analogue electronics
- Radio Communication Procedures
- Amateur radio protocols
- Electrincal and Electronics engineering

Arduino RC Car

- Motor design and calculations
- Remote control and telemetry
- Battery calculation
- Advanced usage of sensors and actuators

EDUCATION PROJECTS

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

Robotic Education "Robo Challenge" Slavonski Brod, Croatia

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