

Curriculum vitae

Name and Surname: Michala Srnová
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Personal information

Date of Birth: 1.3.1986
Citizenship: Slovak
Gender: Female

Native Language: Slovak
Foreign Languages: English (advanced, active)
German (basic)

Profile Summary

- Experience with microprocessors, programming in assembler, C
- Knowledge about digital systems, architectures, signal processing
- CCNA certificates, networking, OS Linux advanced
- Experience with web programming

Education:

- 09/2008 - 06/2010 Engineer study
Slovak University of Technology in Bratislava, Slovakia
Faculty of Electrical Engineering and Information Technology
Department: Microelectronics
06/2010 – I will get a master degree
- 09/2009- 01/2010 Study abroad – Erasmus program
University of Southern Denmark, Odense, Denmark
Faculty of Electrical Engineering
Department: Power electronics and Signal Processing
Courses was taken in English
- 09/2005 - 06/2008 Bachelor study
Slovak University of Technology in Bratislava
Faculty of Electrical Engineering and Information Tech.
Department: Electronics
- 2001 – 2005 Secondary Technical School, Zochova 9, Bratislava
Department: Electronic computer systems

Professional Qualifications:

- **Cisco – CCNA program, Cisco Certified Network Associate**
obtained in: 2004, 2005
CCNA 1 – Networking Basics
CCNA 2 – Routers and Routing Basics
CCNA 3 – Switching Basics and Intermediate Routing
CCNA 4 – Wan technologies

Job experience:

- Od 08/2010 Developer/Embedded Engineer
TTC Marconi, Třebohostická 987/5, Praha, Czech R.
Development of software and embedded devices
<http://www.ttc-marconi.cz/>
- 08/2008 – 06/2009 System Administrator
Kedros, a.s., Pribisova 19/a, Bratislava, Slovakia
About 20 servers, mostly OS Linux
<http://www.kedros.sk/>
- 09/2007 – 06/2008 System Administrator
High school of art; Sklenarova 7, Bratislava, Slovakia
Network administration, servers:Linux, clients:Win XP
<http://www.zsssvba.sk/>
- 06/2006 – 08/2006 Software developing of web applications, company
InfoDigest, Valachova 6, Bratislava
www.panorama.sk

Projects:

- Diploma project:

Microprocessor system for measurement of signals from a raster system
Microprocessor C8051F020 generates signals for raster and acquires signals from detectors of raster system; Computer application control measurement
Computer application is written in Borland C++ Builder

- Bachelor project:

System for temperature measurement of magnetic susceptibility
Software for communication between hardware and PC using USB, FDTI
Graphical User Interface, using Borland C++ Builder

- Team project – home university

Optic communication system in cities
Design of fiber optic infrastructure for a city
Responsibility: finding materials, calculating of signal quality; web pages

- Team project – Denmark university

Wind Mill Technology
Design a control system for holding a constant power delivered to the grid
Responsibility: generating of PWM signal for 3 phases with microprocessor ATmega328 , designing of discrete PI controller, designing of control system

- PHP project

Management of custom orders
ProCS, Šaľa, Slovakia; technologies: PHP, MySQL, Css

Responsibility: all programming works

- **Secondary school final project:**

Communication between microprocessor and computer

Imaging of text, receiving from PC, on 5x7 LED segments

Atmel AT89C2051, hardware design, programming in assembler

Other skills:

Programing:

- assembler
- language C, C++, Borland C++ Builder, Visual Studio C++
- web pages: HTML a CSS
- PHP advanced, ASP basics, MySQL
- Java - advanced

Operating Systems

- OS Linux advanced
- experience with system administration (configuring of switches, routers)
- distributions: Debian, Fedora, Ubuntu; BSD systems: FreeBSD, OpenBSD
- knowledges about virtualization, VPN, VLAN, NAT, packet filtering, backuping and others
- SNMP – designing of MIB, SNMP agents

Electronics

- work with microprocessors (Atmel Family 8051, Atmega16, Atmega328, Freescale MC9S08LC60)
- codes: assembler, language C
- Matlab, LabView, Pspice, MicroCap, Xilinx ISE
- hardware designing
- knowledge in pc and microprocessors architectures
- PLD, PLA, FPGA circuits – basics
- programming in VHDL - basic
- control systems design
- optoelectronics (technologies, principles; LASERs, LED, fotodetectors, fibers...)

Driving Licence type B