

# ZORAN (ZAK) GRAONIC

175 Queen St. North #1605 ● N2H2H9, Kitchener  
(519) 578-7037 ● Zak.Graonic@gmail.com ● www.zak.graonic.ca

## OBJECTIVE

A position with strong emphasis on Industrial Automation & Control with direct exposure to System Configuration, Implementation and Maintenance.

## WORK EXPERIENCE

2010 – **Electronics Technician,**  
Christie Digital Kitchener, Ontario  
- Assembling and testing of electro-mechanical and optical modules

2003 –2010 **Audio-Visual Technician,**  
GELBER CONFERENCE CENTER Montreal, Quebec  
- Setting up of audio-visual automated remote control system, lighting, projectors, screens and audio system.  
- Setting up and connection of local VHS, DVD, computers, room and wireless microphones, video and audio teleconferencing, LAN and WLAN support.  
- Performing routine maintenance on equipment

1998 – 2003 **Electrical Eng. Technologist,** Group for Maintenance of Process Computers  
Instrumentation Department, Oil Refinery Pancevo, SR

Responsibilities:

Maintenance, troubleshooting, repair of DCS systems:

- Honeywell -TDC 2000/4500 for FCC plant and Alkylolation & Sulphur recovery unit
- Foxboro-Blendtroll 99SC, Blender Gasoline and Diesel for in line blending
- Foxboro-Spectrum Multistation for crude oil platforming unit and Sulfolane unit

Maintenance, troubleshooting, repair of shut-down systems

- Compressors (Demag/Hima, General Electric, ICS)
- CO boiler (Lentjes) etc.

Realizations:

- Implementation, start up and maintenance of DCS systems:
  - Honeywell – PlantScape System / Redundant server, Stahl IS1 Ex Remote module /
  - Honeywell – TPS system / Redundant (NIM, HG, HPM), GUS, PHD, FSC /
- Taking part in Setup of Metrology Laboratory (YUS ISO 9000), Developed Instruments Calibration Database in MS Access, Training personals to use HART, DE and FOXCOM protocol for transmitter configuration
- Reconstruction and start up of Catalyst addition system of the FCC complex
- Reconstruction and start up activities of shut-down, monitoring and control system of the Utility Plant. Engaged in design, supervising and testing activity.

1997 – 1998 **Instrument Technician;** Group For Maintenance of Electronic Instrumentations  
Instrumentation Department, Oil Refinery Pancevo, SR

Responsibilities

- Maintenance, troubleshooting, repair, installation of complete electronic automatic control systems in the plant, including different instruments like flow, pressure, level, speed and temperature transmitters, regulators, recorders, totalizer and alarm units.

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- Maintenance, troubleshooting, repairs of relay Interlock / Shut-Down systems, signal devices, limit, pressure, temperature and level switches

1996 – 1997 **Electronic Technician;** Group For Maintenance Analytic Instrumentation  
TERMOELEKTRO – ENEL, BEOGRAD, SR

Responsibilities

- Maintenance, calibration, repair and trouble-shooting Process Gas Chromatographs and Sampling systems – Foxboro (FCC Complex)  
- Installation, startup and maintenance of System for monitoring of furnaces flue gas contents - Fisher Rosemount (Steam Utility Plant and CO Boilers–FCC Complex )

## EDUCATION

2005 - 2008 **Bachelor of Arts; Major in Computer Science, Minor in Economics**  
McGill University, Montreal, Quebec

### CS Course Projects

- Designing, implementing, and testing a complete version of the 5-card draw variant of poker.  
(Java programming 1.5 - Eclipse, JUnit testing, NetBeans - Swing GUI Programming)  
- Setting up IP networks and services and implementing multicast using GINI toolkit.  
- Designing and implementing a “Simple File System” - C programming  
- Developing an interlibrary book reservation system for public or private sector – MySQL, PHP

1993 – 1996 **Diploma of College Studies;** Electrical Engineering Technologist  
VETS College, Belgrade, SR

## COMPUTER SKILLS

- Programming: Java, Python, PHP, HTML/CSS, JavaScript, C/C++/C#, Assembler SML  
- Internet/Database: Apache, IIS, Dreamweaver, Flash/AS3, CMS -Joomla, MySQL, MS Access  
- Operating Systems/Networking: GNU/Linux, Windows, Mac OS X, TCP/IP, IGMP, UDP

## CERTIFICATION AND ADDITIONAL TRAINING

2011 **Certificate:** Projector Technology & Design Christie University - Canada  
2002 -2003 **Certificates:** MS Access 2002 Advanced Techniques and Building applications  
**Certificates:** AutoCAD 2002 2D Drafting and 3D Modeling  
Institute of Nuclear Sciences VINCA, Microsoft and Autodesk Certified Center  
March 2002 **Certificate:** Loading automation system PLC (Siemens S5) – CMR (BoopRouter)  
Marcon – Germany  
February 2002 **Certificates I5722 and I5723 ;** TPS System (GUS) Display Builder, Safeview and CL Language Implementation; Honeywell – Italy  
Nov 2000 **Certificates ST – 7UPPRO and S5 – COMP;** Siemens PLC Simatic S7 and S5  
NDI Engineering, Belgrade, Partner of Siemens in automation

**References available upon request**