

PERSONAL INFORMATION

Lorand Bogdanffy Petrosani (Romania) lorandbogdanffy@upet.ro

PREFERRED JOB

Research and development, software & hardware, system engineering

WORK EXPERIENCE

11/11/2011–Present

IT Systems Administrator

University of Petroșani (Romania)

- Configuration and maintenance of servers running on linux distros RedHat and Debian
- Configuration and management of services: Firewall, DNS, DHCP, Apache Webserver, MySQL
- Development, maintenance and updating of the university website (HTML+CSS+PHP)
- Periodic checking of servers health status
- Monitoring internet usage
- Finding solutions for network infrastructure problems
- Finding solutions for software services issues
- Testing and improving of general network performance and security

10/2011–06/2017

PhD Student, Research assistant

University of Petroșani (Romania)

- Researched about HIL+SIL+MIL development and testing systems developing hardware with embedded software. Experience working with dSPACE
- Studied methods used in Software Engineering for improving software quality
- Wrote and published papers in international journals in the fields: Control Engineering, Optimal Control, Rapid prototyping, Modeling and Simulation
- Thought „Software Engineering”, „Robot Control Systems”, „PC Programing”, „Distributed Algorithms”
- Coordinator for students dissertations.

01/09/2015–30/11/2015

Institutional expert

Unitatea Executivă pentru Finanțarea Învățământului Superior, a Cercetării, Dezvoltării și Inovării (UEFISCDI), București

POSDRU/155/1.2/S/141278 "Politici bazate pe evidențe și impactul asupra pieței forței de muncă" (INFO-HE)

- Responsibilities:- Attendance at testing and implementation activities
- Sending feedback to improve the implementation of the program

2010–2013

Short term expert

University of Petroșani

POSDRU/87/1.3/S/64273 - Dezvoltarea resurselor umane din învățământul superior pentru utilizarea sistemului e-learning.- IT Expert

10/2009–04/2011

Associate teacher

University of Petroșani (Romania)

- Thought „PC Programing”, „Algorithm Design”

EDUCATION AND TRAINING

- 10/2009–07/2011 **Masters Degree „Information Sitems and Tehnologies”**
 University of Petroșani
 Studied: Development and management of information systems, Virtual instrumentation technologies, Software testing and quality
- 06/2010–09/2010 **Internship at Kinetix**
 Kinetix (Malta)
 - Installed and configured Windows Servers
 - Assisted in instalation of physical data networks
 - Tech support for clients (by phone)
- 10/2005–07/2009 **Batchelor degree in Computers and Information Technology**
 University of Petroșani (Romania)
 Studied:
 - PC Programing, Software Engineering, Algorithm Design
 - Microcontrollers and PLCs
 - Image Processing, Artificial Inteligence, Industrial Robot Control Systems

PERSONAL SKILLS

Mother tongue(s) Romanian, Hungarian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
Engleză	C2	C2	C2	C2	C2
Franceză	B1	B1	A2	A2	A1
German	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Communication skills Good communication abilities gained by working with students and in teams abroad, calm, patient and focused on topic/issues not personal differences.

Organisational / managerial skills Organizational skills developed natively by working in the information technology field with a multitude of systems , networks, software applications, configuring and debugging, maintenance.

Job-related skills Good mentor/trainer skills, gained by teaching students and staff. Amazing patience (I've been told) at finding issues / debugging programs. Good problem solver.

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Digital competences - Self-assessment grid

Designed promotional material for companies, knowledge in video/audio editing, photo making/editing, 3D design and animation, C++, C#, VB programming, daily user of Linux (Ubuntu and other Debian based distros) and Libre Office.

Other skills Digital photography at professional level. Presentation page: www.LightShadeFX.com

Driving licence A, B

ADDITIONAL INFORMATION

Memberships Member of Societatea Română de Automatică și Informatică Tehnică (SRAIT)
Member of Societatea de Robotică din România (SRR)

Projects HIL Modeling and Simulation applications 2015-2017 - [Link](#)
Panorama creator: Control of Camera with Android Phone by Bluetooth 2011 - [Link](#)
Stepper motor control with micro-controller and Android phone - 2011 - [Link](#)
Point of view tracking, 3D interface - 2010 - [Link](#)