


PERSONAL INFORMATION

Nicoleta Maria Pop



 17-19, Ploiesti street, 400157 Cluj-Napoca (Romania)

 0746917362

 pop_nicoleta.maria@yahoo.com

Sex Female | Date of birth 04/12/1991 | Nationality Romanian

WORK EXPERIENCE

01/10/2017–Present

University research assistant

Technical University of Cluj-Napoca, Cluj-Napoca (Romania)

- the development of innovative solutions for medical robots for post-stroke rehabilitation,
- the analysis of bio-signals and sensors for robotic assisted rehabilitation,
- Siemens NX modelling,
- signal processing using Matlab.

05/08/2016–04/08/2017

Engineer

Tenaris- Silcotub, Zalau (Romania)

Department: Process Technology, Hot Rolling Mill

- Work close with the production processes in steel products: casing, tubing, line pipe for customers including most of the world's leading oil and gas companies,
- Constant follow-up on Airbag quality, monitor parameters and correlate them with rolling campaigns assure the compliance with internal procedure,
- Identify the conditions for a stable process,
- Reduction of pipe defects , by finding root cause and propose actions,
- Failure Analysis,
- Gather and analyse data and prepare reports,
- Analyze and provide recommendations for improving the production cycle.

20/01/2015–01/08/2016

Electrical engineer

S. C Servelect S.R.L, Cluj-Napoca (Romania)

- Energy audits,
- Water audits,
- Site visits,
- Energy balances,
- Renewable solutions,
- Presentations.

01/07/2013–19/07/2013

Volunteer

Military Hospital "Dr. Constantin Papilian", Cluj-Napoca (Romania), Cluj-Napoca (Romania)

- I have learned the basic components of the various devices in the hospital,
- also I have learned how is done the maintenance of the different apparatus,
- technical skills that I acquired: ability to work with diverse equipment, knowledge of medical devices on the market.

EDUCATION AND TRAINING

17/07/2014–07/2017

Masters

Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Applied Sciences in Medical Engineering, Cluj-Napoca (Romania), Cluj-Napoca (Romania)

01/10/2010–09/07/2014

Bachelor's degree

Technical University of Cluj-Napoca, Faculty of Electrical Engineering, Medical Engineering, Cluj-Napoca (Romania), Cluj-Napoca (Romania)

- Electrical Machines,
- Virtual Instrumentation (LabView),
- Medical electronics.

General skills :

- PC skills: LabVIEW, Matlab, Mathcad, AutoCAD, OrCAD, PSpice, Dialux, C++,
- I simulated in LabVIEW an audiometer according to ISO (Bachelor's degree entitled Methods of determining the acoustic acuity of human patients)
- I have learned how to work with different devices from National Instruments,
- Participation in Scientific Communication Session of the Technical University, Cluj-Napoca, 2014, with an article entitled "Audiometry and auditory prosthesis",

2006–2010

Highschool

National College "Simion Bărnuțiu", profile: Mathematics-Informatics, Șimleu Silvaniei (Romania), Șimleu Silvaniei (Romania)

PERSONAL SKILLS

Mother tongue(s) Romanian

Foreign language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
French	B2	B2	B2	B2	B2
English	C2	C1	C1	B2	C1

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
[Common European Framework of Reference for Languages](http://www.europecouncil.europa.eu/en/common-european-framework-reference-for-languages)

Organisational / managerial skills

- I took part in several projects as a volunteer, but three events of my voluntary experience are most relevant here.

Firstly, I am member of the Technical University Students organization in Cluj-Napoca (OSUT) since 2012. I volunteered for an event called "ElectroTech" held in Cluj Napoca that helps students to get in contact with companies in the IT&C field through company presentations, workshops and trainings. We were a team of 25 members and together we implemented the initial plan of the event. My role was to manage the budget, ensuring that we did not run over and that everything had a receipt. Also, I was responsible for participating companies and for the protocol. In addition, I had the opportunity to manage the event from the resources and time perspective. This position helped me grow from a professional point of view and enhanced my skills in terms of: project and team management, public speaking, communication and working with people.

Secondly, I coordinated an event called "Targul de master" where all students interested in a Masters Degree at the Technical University of Cluj Napoca could talk directly with faculty representatives for more information. I made every effort to obtain approval from the university. I was responsible for promoting the event, talking to all teachers and for ensuring the protocol.

Finally, I was involved in a charity event. We made cakes which were sold and the money was donated to an orphanage. As a volunteer in the cake sale I was in charge of selling the cakes,

interacting with the customers, counting the money and making sure everything was clean and tidy.

Digital skills

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

Digital skills - Self-assessment grid

- ECDL Complet (European Computer Driving Licence),
- Labview, C++, Pascal, Microsoft Office, Matlab, Mathcad, AutoCAD, OrCAD, PSpice, Dialux.

Other skills

- participant at "SAME world in different schools" (Sustainability Awareness Mobilization Environment) Milano, 2015

Driving licence

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ADDITIONAL INFORMATION

Publications

1. N. Pop, C. Vaida, G. Carbone, F. Craciun, K. Major, C. Abrudan, F. Puskas, D. Pisla, *The Analysis of Bio-Signals and Sensors for Robotic Assisted Rehabilitation*, Springer 2019, pp 229-235.

Cluj- Napoca, 05/01/2023