

● EXPERIENȚA PROFESIONALĂ

01/11/2021 – ÎN CURS – București, România

DATA SCIENTIST – KALYPSO: A ROCKWELL AUTOMATION COMPANY

I am responsible with:

Developing machine learning models in a large array of industries for Machine Learning Control applications;
Taking existing models and improving the outcome by fine-tuning and optimizing;
Developing data pipelines for industrial data sources;
Developing models that interact in real-time or near-real-time with IoT Platforms;
Create reports regarding model performance;

01/04/2017 – 01/11/2021 – Magurele, România

RESEARCH SCIENTIST – NATIONAL INSTITUTE FOR RESEARCH AND DEVELOPMENT IN OPTOELECTRONICS - INOE 2000

I was responsible with:

- managing dataflows from a multitude of atmospheric measurement instruments
- maintaining and updating datasets with data from radars, lidars, weather stations and other devices
- data cleaning and feature extraction/engineering on a wide array of data types
- developing and training machine learning models (keras and tensorflow) for data analysis on large and diverse datasets
- creating real-time or near-real-time data analysis tools
- making Python tools used in generating publication quality graphics
- migrating scripts and data processing routines from Matlab/Fortran to Python

01/11/2015 – 01/05/2017 – Bucharest, România

SYSTEM ENGINEER – ASSYSTEM

I was responsible for:

- - Unit testing Simulink models
- - Conceiving, coding, modifying, validating and documenting programs to implement on-vehicle test specific to each sub-system
- - Hardware-in-the-loop validation of models
- - Implementing/Optimizing Simulink models in C/C++ code

● EDUCAȚIE ȘI FORMARE PROFESIONALĂ

01/10/2018 – Splaiul Independenței 313, București, România

DOCTORAT – Politehnica University of Bucharest

01/10/2016 – 01/06/2018 – Splaiul Independenței 313, București

DIPLOMA MASTER – Politehnica University of Bucharest

<https://upb.ro/>

● **COMPETENȚE LINGVISTICE**

Limbă(i) maternă(e): **ROMANA**

Altă limbă (Alte limbi):

	COMPREHENSIUNE		VORBIT		SCRIS
	Comprehensiune orală	Citit	Exprimare scrisă	Conversație	
ENGLEZA	C2	C2	C2	C2	C2

Niveluri: A1 și A2 Utilizator de bază B1 și B2 Utilizator independent C1 și C2 Utilizator experimentat

● **COMPETENȚE DIGITALE**

Competențele mele digitale

SQL | Python | Thingworx | Matlab | Tensorflow (Python) | Pytorch