



bogdan trăsnea

Personal information

Date of birth 02 September 1991
Place of birth Braşov, Romania
Nationality Romanian
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Education

- 2014–2016 **Masters degree**, *Faculty of Electrical Engineering and Computer Science, Transilvania University of Braşov, Romania, Automation and Information Technology.* Master thesis title: *Robust Method for Detecting and Recognizing Achromatic Traffic Signs, by using Discrete Fourier Transform and Bayesian Inference.* Supervisor: Conf. Sorin Grigorescu. The objective of the thesis was to reliably detect end of restriction traffic signs (achromatic) in real life video sequences.
- 2010–2014 **Diploma Engineer**, *Faculty of Electrical Engineering and Computer Science, Transilvania University of Brasov, Romania, Automation and Applied Informatics Engineer.* Final project title: *Robust Filtering Techniques for Detecting and Classifying Objects of Interest in Traffic Video Sequences.* Supervisor: Conf. Sorin Grigorescu. In this thesis, a combination of machine learning algorithms was used to detect and classify objects in traffic video sequences. The algorithm was also used inside an application running on Android smartphones.

Work experience

- since August 2013 **Software Engineer**, *Driver Assistance, Elektrobit Automotive, Romania.*
- April 2013 - May 2013 **Summer Intern**, *Voice Business gmbH, Austria.*

Teaching experience

- 2016 Laboratory assistant for course *Computer Vision Systems*
since 2016 Laboratory assistant for course *Introduction to Robotics*
since 2015 Laboratory assistant for course *Introduction to Microcontrollers*

Awards

- May 2014 1st place at the Students Scientific Session, for the work "Robust filtering techniques used in the detection and classification of objects of interest, in traffic video sequences".
- May 2015 1st place at the Students Scientific Session, for the work "Robust method of detecting achromatic traffic signs, by using the Discrete Fourier Transform".

Research interests

- Computer vision Object detection and recognition, Object Tracking, Traffic Sign Recognition
Machine Learning Deep Learning, Transfer Learning, Neural Networks
Robotics Control simulation of robot manipulators

Computer skills

- Basic Lab Windows CVI, MicroC for PIC, \LaTeX , Enterprise Architect
Intermediate Matlab, Linux, Microsoft Windows, CMake, PyCharm, Embedded systems (microcontrollers)
Advanced C, C++, Image processing (OpenCV), Visual Studio, ADTF

Languages

- English Advanced
German Beginner-Intermediate
Romanian Mother tongue

Interests

Football, Puzzle, Table tennis, Driving.