PERSONAL INFORMATION

COCIAȘ Tiberiu-Teodor

Mihai Viteazul 5, et. 3, Brasov, Romania
[redacted]
tiberiu.cocias@unitbv.ro

Sex M | Nationality Romanian

WORK EXPERIENCE

Since October 2013 — **Software Engineer and Project Manager**

S.C. Elektrobit Automotive Romania S.R.L., Brașov, Romania

- Development of algorithms in the field of computer vision and automotive

Since October 2020 — **Associate Professor**

Transilvania University of Brașov, Romania

- Faculty member in the Department of Automation and Information Technology

2010-2013 — **Researcher**

Department of Automation and Information Technology, Transilvania University of Brașov, Romania

- The goal of the PhD thesis was to estimate the rigid shape of objects viewed unidirectionally by a computer vision system. The main research direction was machine vision, with a focus on 3D scene representation and object reconstruction.

EDUCATION AND TRAINING

[Add separate entries for each course. Start from the most recent.]

October 2011 – October 2013	PhD in Systems Engineering	
	Transilvania University of Brașov, Romania	
2009 – 2011	Master's Degree	
	Transilvania University of Brașov, Romania, Advanced Systems in Automation and Information Technology	
2004 – 2009	Bachelor's Degree – Automation Engineer	
	Transilvania University of Brașov, Romania, Department of Automation and Information Technology	

PERSONAL SKILLS

Mother tongue(s): Romanian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Franch	A1	A1	A1	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills
- Good communication skills acquired through my experience as project manager at Elektrobit Automotive Romania
- Solid communication skills gained through supervising 5 undergraduate theses graded above 8

Organisational / managerial skills
Job-related skills
- Currently responsible for a team of 12 people at Elektrobit Automotive Romania
- Have coordinated 3 teams of more than 10 people
- Annually supervise 10 undergraduate theses

Computer skills
- Programming languages: C, C++, Python
- Understanding of hardware and software concepts
- Database knowledge

Driving licence
Replace with driving licence category/-ies. Example:
- B

ADDITIONAL INFORMATION

Publications
Presentations
Projects
Conferences
Seminars
Honours and awards
Memberships
References

- Grigorescu, S.M., Cocias, T.T., Trasnea, B., Margheri, A., Lombardi, F., Aniello, L. (2020). *Cloud2Edge Elastic AI Framework for Prototyping and Deployment of AI Inference Engines in Autonomous Vehicles*. Sensors, 20(19), 5450. https://doi.org/10.3390/s20195450
- Cocias, T.T., Razvant, A., Grigorescu, S.M. (2020). *GFPNet: A Deep Network for Learning Shape Completion in Generic Fitted Primitives*. IEEE Robotics and Automation Letters, 5(3), 4493–4500.
- Grigorescu, S.M., Trasnea, B., Cocias, T.T., Macesanu, G. (2019). *A Survey of Deep Learning Techniques for Autonomous Driving*. Journal of Field Robotics.
- Grigorescu, S.M., Trasnea, B., Marina, L., Vasilcoi, A., Cocias, T.T. (2019). *NeuroTrajectory: A Neuroevolutionary Approach to Local State Trajectory Learning for Autonomous Vehicles*. IEEE Robotics and Automation Letters, 4(4), 3441–3448.
- Cocias, T.T., Moldoveanu, F., Grigorescu, S.M. (2013). *Generic Fitted Shapes (GFS): Volumetric Object Segmentation in Service Robotics*. Robotics and Autonomous Systems, 61(9). https://doi.org/10.1016/j.robot.2013.04.020