

PERSONAL INFORMATION **ORHEI Ciprian-Constantin**



PROFESSIONAL EXPERIENCE

- 05.2022 – present **Head of Camera Detection Software**
Continental Automotive Romania (<https://www.continental.com/en>), Timisoara
- Coordination of Computer Vision group from Timisoara site.
 - Identify needed resources and competencies for the project's needs that are handled from this site.
 - Ability used / required / learned: image processing, project coordination, group coordination.
- Automotive
- 08.2021 – present **Principal Architect Computer Vision Surround cameras systems**
Continental Automotive Romania (<https://www.continental.com/en>), Timisoara
- Guide Computer Vision design and architecture for surround view camera across multiple projects.
 - Align Computer Vision algorithms and solutions across multiple projects.
 - Ability used / required / learned: image processing, software engineering, team coordination.
- Automotive
- 09.2017 – present **External university assistant**
Faculty of Electronics, Telecommunications, and Information Technologies,
"Politehnica" University of Timisoara (<https://www.upt.com/>), Timisoara
Seminar and laboratory activities on programming languages courses: C, Java, Python.
- Academic
- 08.2018 – 05.2022 **Algorithm Development Team Leader**
Continental Automotive Romania (<https://www.continental.com/en>), Timisoara
- Coordination of Computer Vision algorithm development activities for GPU or embedded systems.
 - Identify needed resources and competencies for the project needs.
 - Ability used / required / learned: image processing, software engineering, team coordination.
- Automotive
- 04.2018 – 07.2018 **Software Development Team Leader**
Veoneer Romania (<https://www.veoneer.com/>), Timisoara
- Coordination of software development activities for embedded software systems.
 - Identify needed resources and competencies for the project needs.
 - Develop and document the Software Work Breakdown Structure.
 - Ability required / learned: software engineering, time management, team coordination.
- Automotive
- 10.2015 – 04.2018 **Software Developer/ Software Development Team Lead**
Autoliv Romania (<https://www.autoliv.com>), Timisoara
- Development of embedded software systems: Vision / Night Vision safety products.
 - Coordination of software development activities for embedded software systems.
 - Responsibilities include design, development, implementation and testing of software.
 - Ability requested / learned: software engineering, microcontrollers, multi thread processing
- Automotive
- 09.2013 - 10.2015 **Software Developer**
Huf Romania (www.huf-group.com), Timisoara
- Development of embedded software systems: active and passive tire pressure monitoring products.
 - Responsibilities that include design, development, modification, implementation and testing of software.
 - Ability required / learned: signal processing, software engineering, microcontrollers, white box testing.
- Automotive
- 10.2011 – 01.2013 **Spare Parts Administrator**
VALEO Lighting Injection S.A. (www.valeo.com)
- Maintaining an adequate spare parts stock for equipment in production to operating standards.
 - Active and direct involvement in the activities of the maintenance department.

- Ability required / learned: level 1 to 4 maintenance, creation, and maintenance of maintenance documentation, TPM, Kaizen, Red Tag system, warehouse administration
- Automotive

EDUCATION AND TRAINING

- 10.2013 – 05.2022 **Phd Studies – Urban Landmark Detection using Computer Vision**
Faculty of Electronics, Telecommunications and Information Technologies domain
"Politehnica" University of Timisoara, Faculty of Electronics and Telecommunications
- 09.2011 - 07.2013 **Master's degree in Electronics Intelligent Systems**
"Politehnica" University of Timisoara, Faculty of Electronics and Telecommunications
▪ Expert Systems, Flexible and Adaptive Systems, Design and Testing of Teaching Systems, Intelligent Motion Control, Artificial Intelligence;
▪ Dissertation thesis: Automation and robots in Lean Manufacturing
- 09.2011 – 07.2013 **Multi-regional master studies in e-Activities , e-business , e-Governance & Administration , e-Media, e- health domains**
"Politehnica" University of Timisoara, Faculty of Electronics and Telecommunications
▪ E-business, Internet Technologies, Database Management
▪ The final thesis: Modern solutions for initiation in organizational management
- 09.2007 - 07.2011 **Bachelor's degree in applied Electronics**
"Politehnica" University of Timisoara, Faculty of Electronics and Telecommunications
▪ Electrical Circuits, Programming Languages, Electronic Systems, Object Oriented Programming, ▪ Digital Processing Systems, Fundamentals of Intelligent Flexible Systems, Automation;
▪ Thesis License: Use of step-by-step motors in technological processes

PERSONAL COMPETENCES

Native language Romanian

Linguistic knowledge

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Comprehension	Conversation	Oral speech	
English	C2	C1	C1	C1	B1
German	B1	A2	A2	A1	A1

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

- Qualification**
- Product Owner - Continental Romania
 - Communication - Huf Romania
 - C Embedded Course - Huf Romania
 - Functional Safety Basics Training – Veoneer Romania
 - ARACIS Extern Evaluator– 05.2010
 - Certificate in Advanced English (CAE)- Cambridge Certificate
 - Certificate of Trainer by CNFPA- Train the Trainers – 11.2011
 - Training pneumatic basic- Festo- 09.2012
 - Modules from Codecs: Leadership Civic, Teamwork

- Electronic skills:**
- Programming Languages: C, C++, Python, Java.
 - Software /CAD: MATLAB, LabView, Pads, PSpice, Protel, Circuit Maker, ORCad, Helix QAC, Polyspace
 - Other software: Microsoft Office, MKS/PTC, Jira/Confluence, Enterprise Architect, DOORS, Adobe Suit, SAP, Commerce One, Lotus

- Other skills:**
- Coordination skills, project management, communication, teamwork, decision making
 - Systems / Processes: TPM, Kaizen, Red Tag Systems, JIT, Agile, Lean, Kanban
 - Driving license B category;

ADDITIONAL INFORMATION

Academic Publications

- <https://scholar.google.com/citations?user=DZHdq3wAAAAJ&hl=en>
- <https://www.researchgate.net/profile/Orhei-Ciprian>
- <https://publons.com/researcher/4587036/ciprian-orhei/>

University Evaluations ARACIS

- Christian "Dimitrie Cantemir" University
- "ARTIFEX" University Bucharest
- European "DRĂGAN" Lugoj University

Activity

- Tutor at IT School (courses: Java, Python) - 06.2018 – present
- Vice President PNL Timisoara – 04.2017 – present
- Member in the Board of Directors SDM Timisoara – 06.2017 – 12.2021
- Deputy Secretary General PNL Timis – 10.2016 – 12.2020
- President Club Lions Timisoara Bastion – 07.2016 – 07.2017
- Member of the Commission for Analysis of Youth Projects from Timisoara City Hall (2013 - 2017)
- Member of the General Assembly SAM School of Business and Crafts - 12.2012 – 2016
- Member of the Board of Directors FITT - Timis County Youth Foundation - 2011 – 2016
- Member of the Board of the Faculty of Electronics and Telecommunications - 2011-2012 / 2014-2016
- Representatives of the students in the Committee for the elaboration of the University Charter – 2011
- Student Representative in the Commission for Quality Assurance at Faculty of Electronics and Telecommunication 2010 – 2011
- President of Students League of Faculty of Electronics and Telecommunications – 06.2009 – 10.2011
- President of ECO CLUB Timisoara – 06.2009 – 05.2013
- Member of the Student Affairs Commission – 2009 – 2012

Volunteering

- Lions Club Timișoara Bastion 2015 - present (<http://lionsbastion.ro>)
- National Liberal Party 2014 - present (<http://timis.pnl.ro>)
- SAM Foundation - School of Business and Crafts - 2013 - 2016 (<http://www.fundatiasam.ro>)
- Let's do it Romania - 2011 Timișoara;
- Board of Directors - Timiș County Foundation for Youth - 2011-2016 (www.fitt.ro)
- League of Students from the Faculty of Electronics and Telecommunications - LSFETc - 2009 - 2011 (www.lsfetc.ro)
- ECO CLUB Timișoara, environmental protection NGO - 2009-2015 (<http://www.ecotimisoara.ro>)
- aT4T - Association Theater for Teenagers, 2005 - 2008
- Student Council of the Banat National College, 2005 - 2007