



# Cosmin Luca

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**Date of birth:** 25 May 1995 | **Nationality:** Romanian | **Gender:** Male | (+40) 742317393 |

[look\\_cosmin@yahoo.com](mailto:look_cosmin@yahoo.com) | <https://www.linkedin.com/in/cosminlucaengineer/> |

700305, Iasi, Romania

## ● WORK EXPERIENCE

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19 JUL 2021 – CURRENT – Bucharest, Romania  
**SOFTWARE TESTER – LUXOFT**

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### Software Integration Tester

Testing the interfaces between components.

Tools used:

- Vector vTEST Studio;
- Microsoft Visual Studio Code;
- CANoe 14 Simulation;
- Lauterbach Debugger for Testing;
- Enterprise Architect (EA)
- PTC Integrity Tool for Tests / Specs / Tasks / Reviews

21 MAY 2018 – 16 JUL 2021 – Iasi, Romania  
**SYSTEM TEST ENGINEER II – CONTINENTAL ROMANIA**

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### Professional experience

#### Project management skills

- positive attitude, enthusiastic and committed person
- excellence in organizational, communication, persuasion, influencing and relationship building skills
- strong and dynamic professional with an analytical view and a pro-active approach, tenacious and eager to learn
- attention to details, well-organised, having the ability to respect deadlines
- problem solving skills
- experience working with clients from various fields of activities: automotive, work&travel program
- manage customer relations and expectations
- able to solve ambiguous or new challenges through creative solutions

#### Engineering Skills

- passionate for developing and implementing software projects
- technical skills achieved in Electrical field
- hardware skills achieved in Electrical field

#### People Skills

- communication and presentation skills
- analytical skills, result-oriented, continuously focused on goals
- ability to document and transfer knowledge
- organization, planning and problem-solving skills

#### Technical Skills

- PC Communication skills: Microsoft Office, Outlook, Skype, Teams
  - PC Hardware/Software skills: LAN Connection&Configuration, Windows Service/Maintenance, Drivers&Programs
- #### Installing
- PC used tools: CANoe, Vector Tools, Doors - DXL programming, IMS, Metrics DXL programming
  - Programming C, C++, Microsoft Visual Basic.
  - Simulink - Matlab, Proteus

#### Job Qualification

- Analyze/Review Requirements - Meetings with foreign people
- Developed test specifications for system of Body Control Module-functionalities like:
  - Seatbelts Control
  - Horn Module
  - WakeUp-Sleep ECU Reasons
  - Sensors Acquisition: BrakePadWear;BrakeFluidLevel;CoolantLevel;OutsideAirTemperature;SwitchIlluminationLevel;
  - HVAC Sensors: Refrigerant Pressure, WaterCondenser, Evaporator Front;Roof, Pressure Sensors, Temperature
  - Sensors Footwell;OnSide
  - Signals Routing CAN-CAN Private-LIN

- Terminal Control Relays - Klemmes
- Power Supply - OverUnder Voltage Classes
- DTC Suppression

Performed / Executed / Review tests and prepared reports according with process. Agile Process.

Realized Setup for our Testbenches/Automation Devices - hardware configuration; installing software tools/drivers

Developed a tool for extract executed test results and to insert them into Doors Modules in all necessary attributes.

Programming language used : Visual Basic Studio - Oriented Object Programming

- Manual Testing - after execution of automated testcases, failed testcases are re-executed manually to check if are real issues; using Hardware Setting Inputs & Monitoring Outputs, Using devices as oscilloscope, multimeter, wires for Shorts (to Ground, VBatt)
- Automation Testing - using automation devices with an internal tool configured for control relays boards, inputs hw, outputs leds, motors, power supply from softsonic - using programming in C language.
- Flashing ECU - via Debugger iSystem (IC5000,IC5700), via Monaco Tools, via Renesas Debugger

FEB 2018 – APR 2018 – Iasi, Romania

**SOFTWARE PRACTICE – VEONEER AUTOMOTIVE**

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Realization of a Mini-Car controlled by Raspberry PI

- Working with Arduino and Raspberry PI boards. I used Arduino to control the speed of motors and direction. With Raspberry PI I was able to process the image of an object observed by video camera. The camera was moving left-right using servomotors controlled by Raspberry PI board.
- Programming languages used : Arduino, Python

Electronics, Programming | Professional, scientific and technical activities

## ● EDUCATION AND TRAINING

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SEP 2018 – JUL 2020 – Iasi, Romania

**MASTER ENGINEER - ENERGY CONVERSION AND MOTION CONTROL** – Faculty of Electrical Engineering, Technical University of Iasi

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Acquisition and signal processing systems

Robust control of industrial electrical systems

Algorithms for robots control

Electric drives with PWM converters

Modeling and control of discrete event systems

Advanced electromagnetic and electromechanical systems

[ee.tuiasi.ro](http://ee.tuiasi.ro)

SEP 2014 – JUL 2018 – Iasi, Romania

**ENGINEER - POWER ELECTRONICS AND ELECTRIC DRIVES** – Faculty of Electrical Engineering, Technical University of Iasi

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Linear Algebra, Analytic and Differential Geometry ; Mathematical Analysis ; Physics

Mechanical Engineering

Computer Programming and Programming Languages

Applied Informatics

Electrical Circuits Theory I; II

Static Converters I; II

Sensors and Transducers

Power Electronic Systems

Applications of Power Electronics

Assembly Language Programming

Digital Control Systems

Manipulators and Industrial Robots

Speed Control of Electrical Drive Systems

[ee.tuiasi.ro](http://ee.tuiasi.ro)

## ● LANGUAGE SKILLS

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**Mother tongue(s):** ROMANIAN

**Other language(s):**

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>ENGLISH</b>	B2	B2	B1	B1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● DIGITAL SKILLS

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Microsoft Office | CAN | LIN | Vector CANoe and CAPL Scripting | Power Electronics (DC-DC Converters) | C | Rational DOORS | Embedded C | Python | Manual Testing | Automation Testing | DOORS | DOORS (DXL scripting) | CANOE Vector | vTESTstudio | PTC Integrity | Visual Studio Code | Lauterbach Debugger | Renesas Debugger | Debugger - IC3000, IC5000 (Proficient) | Enterprise Architect