Larisa Diaconu

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• https://www.linkedin.com/in/condrachi-larisa/

PROFESSIONAL SUMMARY

Quality assurance engineer with 4+ years of testing experience in the automotive industry. I started with manual testing, then I mixed manual and automatic testing, and I continued with the In-Vehicle Infotainment platform validation, Android centric, for a Japanese OEM.

WORK EXPERIENCE

Wind River Systems - *Galați, România, +40236302300, www.windriver.com,*October 2017 - PRESENT

Quality Assurance Engineer

QA engineer on an automotive In-Vehicle Infotainment platform based on Android Lollipop and lately ported on top of Android Oreo for a Japanese OEM.

- I run manual, semi-automatic and automatic tests for the validation of the release.
- I run Apple Carplay certification tests.
- I run Android Auto certification tests.
- I run CTS tests.
- I run Cetitec tests.
- I run Iperf tests.
- I created manual tests based on the requirements received from the client
- I developed automated tests for Android, based on the requirements received from the client.
- I adapted manual and semi-automated tests.
- I created test plans, documented test cases, and I identified the areas of improvements.
- I reported new bugs and I replicated different existent issues.

"Dunărea de Jos" University of Galați - *Galați, România, +40236302300, www.en.ugal.ro,* February 2018- PRESENT

Assistant Professor

- Researcher
- Laboratory classes

PROFESSIONAL SKILLS

- Technologies I faced Python, Bash, Linux, Matlab
- Versioning tools - Git, Gerrit

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- Tools - Zephyr, Jira, Confluence, K2L
- Methodologies - Agile
- I am experienced with team working.
- I am a well-conducted and dynamic person with a strong growth mindset.

EDUCATION

The School for Doctoral Studies in Fundamental and Engineering Sciences *"Dunărea de Jos" University, Faculty of Automation, Computer Science, Electric and Electronic Engineering, Field of study Systems Engineering, Galați*

October 2017 – PRESENT

Scientific papers: https://scholar.google.com/citations?user=QHTvOjQAAAAJ&hl=en

1. **Larisa Condrachi**, Ramon Vilanova, Montse Meneses, Marian Barbu, Anaerobic Digestion Process Control Using a Data-Driven Internal Model Control Method, Energies 2021, Vol 14(20), 6746, (Factor de impact calculat de către ISI pentru anul 2021: 3.004).
2. **Larisa Condrachi**, Ramon Vilanova, Marian Barbu, Data-Driven Internal Model Control of an Anaerobic Digestion Process, 25th International Conference System Theory, Control an Computing (ICSTCC), 20-23 October 2021, Iași, România (Articol indexat SCOPUS).
3. Irina Luca, **Larisa Condrachi**, Laurențiu Luca, Ramon Vilanova, Marian Barbu, Testing Platform for Real-time Controllers Based on Hardware In the Loop Simulation, 26th IEEE International Conference on Emerging Technologies and Fcatory Automation (ETFA), 7-10 September 2021, Vasteras, Sweden (Articol indexat ISI Proceedings).
4. **Larisa Condrachi**, Emil Ceangă, Ramon Vilanova, Cezar Bichescu, Marian Barbu, The Anaerobic Digestion Process Control Using Data Driven Methods, 23th International Conference on System Theory, Control and Computing (ICSTCC), 9-11 October 2019, Sinaia, România (Articol indexat ISI Proceedings).
5. **Larisa Condrachi**, Ramon Vilanova, Emil Ceangă, Marian Barbu, The Tuning of a Model-Free Controller for an Anerobic Digestion Process using ADM1 as Virtual Plant, 7th IFAC Symposium on System Structure and Control SSSC, 9-11 September 2019, Sinaia, România, Vol 52, Issue 17, Pages 99-104 (Articol ISI Proceedings).
6. **Larisa Condrachi,** Emil Ceangă, Lucian Puiu Georgescu, Gabriel Murariu, Ramon Vilanova, Marian Barbu, Model-Based Optimization of an Anaerobic Digestion Process, 22nd International Conference on System Theory, Control and Computing (ICSTCC) 10-12 October 2018, Sinaia, România (Articol indexat ISI Proceedings).
7. **Larisa Condrachi**, Marian Barbu, Anaerobic Digestion Processes Controller Tuning Using Fictitious Reference Iterative Method, 13Th IFAC Symosium on Dynamic and Control of

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Process System, including Biosystems (DYCOPS 2022) 14-17 June 2022, Republic of Korea

Master's degree in Advanced Informatics Control Systems - *"Dunărea de Jos" University, Faculty of Automation, Computer Science, Electric and Electronic Engineering, Field of study Systems Engineering, Galați*

October 2015 - July 2017

Learning outcomes of the programme of study:

Neuro-Fuzzy Systems, Knowledge Engineering, Intelligent Applications, Intelligent Software Systems, Research in Intelligent Systems, Design and Implementation of Intelligent Software Systems, Information systems for monitoring and diagnosis

Bachelor engineer degree in Automation- *"Dunărea de Jos" University, Faculty of Automation, Computer Science, Electric and Electronic Engineering, Field of study Systems Engineering, Galați*

September 2011 - July 2015

Learning outcomes of the programme of study:

Object - Oriented Programming Languages, Computer Programming in C Language, Algorithms and Advanced Programming Techniques, Analysis and Synthesis of Digital Systems, Essentials of Control Systems, Analogue Electronics, Digital Electronics and Switching Circuits, Assembling Language Programming, Computer Networks, Databases, Data Communication in Distributed Systems, Digital Signal Processors, Human - Computer Interface Design, Real-time Operation Systems, Essentials of Control System, System Identification, Reliability and Diagnosis of Automatic Systems, Designing Information Systems

LANGUAGE COMPETENCIES

- Romanian: native language
- English: Upper Intermediate (reading, writing), Intermediate (speaking)

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