


Cristian Pamparau


Date of birth: 15/02/1995

Nationality: Romanian

Gender: Male

CONTACT

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WORK EXPERIENCE

09/08/2016 – 01/09/2018 – Suceava, Romania

Junior C++ Developer

ANTACO ROMANIA SRL

As a Junior Developer, I worked on different applications (Linux - Debian/Ubuntu), where I experienced:

- Unit Testing (GTest/GMock) for different pieces of code/ functionalities
- Working with relational Databases (SQL dialect)
- Jenkins/Gitlab for CI/CD operations
- Development in C++
- Design Patterns (Singleton, Service Locator, MVC)
- CMake/Conan for software compilation process
- Analyzes for memory management: Valgrind, Google Sanitizers (ThreadSanitizer, AddressSanitizer etc.)

Note: For details regarding the technologies that I used, please check *Digital Skills* sections.

01/09/2018 – CURRENT – Suceava, Romania

C++ Software Engineer

ANTACO ROMANIA SRL

Besides the development activities, I was involved in team management, where:

- I wrote specifications for different tasks using GitLab platform
- I was involved in designing software architecture for different applications
- I was involved in the code review processes.

01/11/2020 – 01/08/2022 – Suceava, Romania

Research Assistant in Computer Science

MintViz Lab, MANSiD Research Center, Stefan cel Mare University of Suceava

I developed a Mixed Reality System for Implicit Social Learning Evaluation, using Microsoft HoloLens device, as a part of *Transdiagnostic Mechanisms for Mental Disorders: A Mixed Reality System for the Assessment of Implicit Social Learning* research project. See details here: <http://www.eed.usv.ro/mintviz/projects/ISELMIR/index.php>

01/10/2020 – CURRENT – Suceava, Romania

Assistant Professor in Computer Science

Faculty of Electrical Engineering and Computer Science, University of Suceava, Romania

- Teaching Introduction to Computer Programming and Object Oriented Programming
- Research in Extended Reality (Virtual Reality, Augmented Reality, Mixed Reality) for Enhancing Sensory and Cognitive Abilities

EDUCATION AND TRAINING

2014 – 2018 – Universitatii 13, Suceava, Romania

BS in Computer Science

University Stefan cel Mare of Suceava

2018 – 2020 – Universitatii 13, Suceava, Romania

MS in Computer Science

University Stefan cel Mare of Suceava

Augmented Reality Systems Using Microsoft HoloLens and Gesture-Based Interactions

10/2020 – CURRENT – Universitatii 13, Suceava, Romania

PhD Student in Computer Science

University Stefan cel Mare of Suceava, MintViz Lab,
MANSiD Research Center

Extended Reality for Enhancing Sensory and Cognitive Abilities

LANGUAGE SKILLS

MOTHER TONGUE(S): Romanian

OTHER LANGUAGE(S):

English

Listening
B2

Reading
B2

**Spoken
production**
B2

**Spoken
interaction**
B2

Writing
B2

DIGITAL SKILLS

Technologies

Valgrind / Visual Studio / Eclipse / HoloLens / QtCreator / Doxygen / CMake / Git / JSON / Google Cloud Services / XML, JSON, CSV, YML / Google Sanitizers / Unity / GTest/GMock / Protobuf / Boost C++

Software Development/Programming languages

Java / SQL / C / Multithreading / Python / Design Patterns / C++ / Client - Server Model / Object Oriented Programming / C++11 / C++ STL Libraries / FIX Protocol / Asynchronous Programming

Operating Systems

Windows / Linux

PUBLICATIONS

● **A System for Hierarchical Browsing of Mixed Reality Content in Smart Spaces**

C. Pamparău, **A System for Hierarchical Browsing of Mixed Reality Content in Smart Spaces**, 2020 International Conference on Development and Application Systems (DAS), Suceava, Romania, 2020, pp. 194-197, doi: 10.1109/DAS49615.2020.9108977.

● **Augmented Reality and Education Sciences**

C. Pamparău, 2020. **AUGMENTED REALITY AND EDUCATION SCIENCES**. International Journal of Social and Educational Innovation (IJSEIro). 7, 14 (Sep. 2020), pp. 15-21, URL <https://www.journals.aseiacademic.org/index.php/ijsei/article/view/156>

● **From Do You See What I See? to Do You Control What I See? Mediated Vision, From a Distance, for Eyewear Users**

C. Pamparău, A. Aiordachioae, and R-D Vatavu. 2020. **From Do You See What I See? to Do You Control What I See? Mediated Vision, From a Distance, for Eyewear Users**. In 19th International Conference on Mobile and Ubiquitous Multimedia (MUM 2020). Association for Computing Machinery, New York, NY, USA, 326–328. DOI:<https://doi.org/10.1145/3428361.3432089>

https://www.youtube.com/watch?v=cSISoGuYaXg&ab_channel=Radu-DanielVatavu

● **A Research Agenda Is Needed for Designing for the User Experience of Augmented and Mixed Reality: A Position Paper**

C. Pamparău and R-D Vatavu. 2020. **A Research Agenda Is Needed for Designing for the User Experience of Augmented and Mixed Reality: A Position Paper**. In 19th International Conference on Mobile and Ubiquitous Multimedia (MUM 2020). Association for Computing Machinery, New York, NY, USA, 323–325. DOI:<https://doi.org/10.1145/3428361.3432088>

https://www.youtube.com/watch?v=rl_oveMzSWk&ab_channel=Radu-DanielVatavu

● **MR4ISL: A Mixed Reality System for Psychological Experiments Focused on Social Learning and Social Interactions**

Cristian Pamparău, Radu-Daniel Vatavu, Andrei R. Costea, Răzvan Jurchiş, and Adrian Opre. 2021. **MR4ISL: A Mixed Reality System for Psychological Experiments Focused on Social Learning and Social Interactions**. In Companion of the 2021 ACM SIGCHI Symposium on Engineering Interactive Computing Systems (EICS '21). Association for Computing Machinery, New York, NY, USA, 26–31. DOI:<https://doi.org/10.1145/3459926.3464762>

● **Lifelogging Meets Alternate and Cross-Realities: An Investigation Into Broadcasting Personal Visual Realities to Remote Audiences**

Aiordăchioae, A., Pamparău, C. & Vatavu, RD. Lifelogging meets alternate and cross-realities: an investigation into broadcasting personal visual realities to remote audiences. *Multimed Tools Appl* (2021). <https://doi.org/10.1007/s11042-021-11310-3>