

Renan Marcelo

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Address: Luiz Fernando Walter, 138 - Jd. Ibiti do Paço **City:** Sorocaba

Country: Brazil

Date of Birth: 12/21/1997

Languages: English (advanced)

Academic Training:

- **Technology in Digital Games** (FACENS- Faculdade de Engenharia de Sorocaba) - Feb/2017 - Aug/2019.

Work Experience:

- **Virtual Reality Development** (LIGA - Laboratório de Inovação em Games e Apps) - Jun/2018 - Currently.

Projects:

Bruxa do 71 VR (Sep/2019 - Oct/2019): The experience takes place within the episode of "Chaves - A Casa da Bruxa", with references to other episodes and jokes in the mexican series, where the user must complete the potions "Parangaricotirrimiruaru" or "Xinforínfolá" before the time runs out. This experience was aired during Brasil Game Show 2019 by the name of publisher SBT Games. LINK:

<https://www.youtube.com/watch?v=1ZmwpzTMweQ>

Metso VR (Jul/2019 - Aug/2019): It was developed for the multinational Metso, in this application the user is in a place of a factory, and learns to do the complete maintenance of the "ND9000 Neles" within minutes, discovering that you can easily maintain your valve. LINK: https://www.youtube.com/watch?v=oM1QaC9-7Jk&list=PL0Z1NZGmEwqomosB4KqIDrryMerw5r_ks&index=2

Lanxess VR (Nov/2018 - May/2019): Industry 4.0 Simulator published within the Lanxess company. The simulator is a replica of the factory and all the process that it must perform, always being monitored by each action, which is sent to the Web Dashboard. This application helps with training in safety, since the real process is so dangerous. LINK:

https://www.youtube.com/watch?v=8L3NybOMNXg&list=PL0Z1NZGmEwqomosB4KqIDrryMerw5r_ks&index=3

ZF VR (Set/2018 - Out/2018): Industry 4.0 Prototype applied at ZF, where operators train and are monitored in a simulator of their workstation, so they are not exposed to work hazards while learning the procedure. LINK:

https://www.youtube.com/watch?v=SsAlaywzo48&list=PL0Z1NZGmEwqomosB4KqIDrryMerw5r_ks&index=4

Beer VR (Mar/2019): Prototype made in 5 days for Grupo Petrópolis event. The simulator puts the player as a home brewer in his first masterpiece, the experience follows a sequence of steps, allowing you to play with liquids and grains to set up your home brew.

LINK:

https://www.youtube.com/watch?v=iEXnScWC6Dw&list=PL0Z1NZGmEwqomosB4KqIDrryMerw5r_ks&index=5

Marco Polo VR (Feb/2019 - Jun/2019): Final course work in Digital Games. The game consists of Marco Polo's online multiplayer matches in Virtual Reality. A person is drawn to be Marco, seeing nothing, but has the sound in his favor, being able to say "Marco" and, with voice recognition, make other players answer "Polo".

LINK:

https://www.youtube.com/watch?v=GJTPcRfkSs4&list=PL0Z1NZGmEwqomosB4KqIDrryMerw5r_ks&index=6

Engenheiro Elétrico Simulator VR (Jun/2019 - Jul/2018): In this virtual reality game, the player begins by seeing a first person scene. The protagonist of the scene is an engineering student. He sleeps in the classroom and wakes up on his graduation, with the option to choose his degree from Civil, Electrical and Mechanical. When taking the diploma, the player is sent to the corresponding scenario and needs to deal with the situation presented, satirizing the chosen area. At the conclusion of the experiment, the player sees a final scene where the protagonist finds himself waking up in the classroom and observes an explanation of what real engineering is. LINK:

https://www.youtube.com/watch?v=w3SPwRgsH2o&list=PL0Z1NZGmEwqomosB4KqIDrryMerw5r_ks&index=7

Hololens ZF (Jun/2019 - Jul/2019): Industry 4.0 Prototype for ABB where, through the hololens camera, you can scan the entire environment around, recognizing precisely all available tables and allowing the user to choose one to display models and animations.

LINK:

https://www.youtube.com/watch?v=2Qldjh5eLcl&list=PL0Z1NZGmEwqomosB4KqIDrryMerw5r_ks&index=8

HMT ZF (Sep/2018 - Oct/2018): Industry Prototype 4.0 applied at ZF using Real Wear HMT-1. An application has been developed where the performer has all the information he needs to operate his function. The user navigates between instructions through voice recognition, can view images, animations and even remote help by video and voice transmission on the stage that is operating. LINK:

https://www.youtube.com/watch?v=wi6DUO7J4Do&list=PL0Z1NZGmEwqomosB4KqIDrryMerw5r_ks&index=9

Jurassic Chicken - DEMO (Aug/2017 - Oct/2017): Winner of Best Sound and Best Gameplay in the 10th Facens Digital Game Development Competition. The player controls a chicken that must escape a laboratory that was being held captive. By solving puzzles and evading guards, the chicken finds a special costume and gains the ability to go back in time and become a T-Rex to solve even more challenging puzzles.

LINK:

https://www.youtube.com/watch?v=W8G80rM4yPQ&list=PL0Z1NZGmEwqomosB4KqIDrryMerw5r_ks&index=10

(<https://gamejolt.com/games/jurassichicken/289197>)