

REFERENCES

- Ambler, S. W., & Line(2022). *Disciplined agile delivery: a practitioner's guide to agile software delivery in the enterprise. IBM Press.*
- Anderson, D. J. (2010). *Kanban: successful evolutionary change for your technology business. Blue Hole Press.*
- Asfaw DS, Jones, Mönter, Smith, Crabb. (2018). Does glaucoma alter eye movements when viewing images of natural scenes? a between-eye study. In *Invest Ophthalmol Vis Sci* (pp. 3189-3198).
- Awais K. Jumani, M. A. (2018). A Technique to Measure Students', Muneer A. Kartio. *Annals of Emerging Technologies in Computing (AETiC)*, 1-8. Retrieved from <http://aetic.theiaer.org/archive/v2/v2n3/p3.pdf>
- Beck, K. B. (2001). Manifesto for agile software development. Retrieved from <https://agilemanifesto.org/>
- Berger JW, Madjarov B. Augmented reality fundus biomicroscopy. (2001). a working clinical prototype.
- Borgersen NJ, Skou Thomsen AS, Konge L, Sørensen TL, Subhi Y. (2018). Virtual reality-based proficiency test in direct ophthalmoscopy.
- Chou J, Kosowsky T, Payal AR, Gonzalez Gonzalez LA, Daly MK. (2017). *Construct and face validity of the eyesi indirect ophthalmoscope simulator.*
- Codecademy. (2022). What is UAT? Breaking Down User Acceptance Testing. Retrieved from <https://www.codecademy.com/resources/blog/what-is-user-acceptance-testing/>
- Coursera. (2023). What Is User Acceptance Testing (UAT)? Retrieved from <https://www.coursera.org/articles/what-is-user-acceptance-testing>

- Daniel Muriel, G. C. (2018). Video Games As Culture: Considering the Role and Importance of Video Games in Contemporary Society. 1-81. Retrieved from https://www.researchgate.net/publication/323881060_Video_Games_As_Culture_Considering_the_Role_and_Importance_of_Video_Games_in_Contemporary_Society
- David Rumeser, M. E. (2019). Can serious games improve project management decision making under complexity? *Project Management Journal*, 1-17. Retrieved from <https://journals.sagepub.com/doi/pdf/10.1177/8756972818808982>
- Dive S, Rouland JF, Lenoble Q, Szaffarczyk S, McKendrick AM, Boucart M. (2016). Impact of peripheral field loss on the execution of natural actions: a study with glaucomatous patients and normally sighted people.
- Elizabeth Bracco, K. L. (2019). A case study of disengaged adolescent girls' experiences with teaching games for understanding in physical education. *Curriculum Studies in Health and Physical Education*, 1-20. Retrieved from <https://www.tandfonline.com/loi/rasp21>
- Faric. (2019). What Players of Virtual Reality Exercise Games Want: Thematic Analysis of Web-Based Reviews. *JOURNAL OF MEDICAL INTERNET RESEARCH*, 1-13. Retrieved from <https://www.jmir.org/2019/9/e13833/PDF>
- Goh RLZ, Kong YXG, McAlinden C, Liu J, Crowston JG, Skalicky SE. (Jan, 2018). Objective assessment of activity limitation in glaucoma with smartphone virtual reality goggles: a pilot study. *Transl Vis Sci Technol*.
- Heide K. Lukosch, G. B. (2018). A Scientific Foundation of Simulation Games for the Analysis and Design of Complex Systems. *On the Architecture of Game Science*, 1-36. Retrieved from <https://journals.sagepub.com/doi/pdf/10.1177/1046878118768858>
- HERNÁNDEZ-LARA, A. B. (2018). Student Interactions in Online Discussion Forums: Their Perception on Learning with Business Simulation Games. *Behaviour & Information Technology*, 1-24. Retrieved from http://openaccess.uoc.edu/webapps/o2/bitstream/10609/113586/1/HernandezLara_Serradell_BIT_StudentInteractions.pdf

Imed Bouchrika, N. H. (2021). Exploring the impact of gamification on student engagement and involvement with e-learning systems. *Interactive Learning Environments*, 1-15. Retrieved from <https://www.univ-soukahras.dz/eprints/2019-1-8d007.pdf>

Isabelle Kniestedt, I. L. (2022). Re-framing engagement for applied games: A conceptual framework. *Entertainment Computing*, 1-12. Retrieved from <https://www.sciencedirect.com/science/article/pii/S1875952121000720>

Issenberg SB1, McGaghie WC, Hart IR, Mayer JW, Felner JM, Petrusa ER, Waugh RA, Brown DD, Safford RR, Gessner IH, Gordon DL, Ewy GA. (1999). Simulation technology for health care professional skills training and assessmen.

Janet M. Reed, R. E. (2021). Gaming and anxiety in the nursing simulation lab: A pilot study of an escape room. *Journal of Professional Nursing*, 1-8.

Janice Super, T. B. (2020). Simulation Game Outcomes: A Multilevel Examination of Knowledge Sharing Norms, Transactive Memory Systems, and Individual Learning Goal Orientations. *Simulation & Gaming*, 1-29. Retrieved from https://www.researchgate.net/publication/343495128_Simulation_Game_Outcomes_A_Multilevel_Examination_of_Knowledge_Sharing_Norms_Transactive_Memory_Systems_and_Individual_Learning_Goal_Orientations

Johnson, A. M., & Lee, B. K. (2021). Advancements in Algorithmic Techniques for Ophthalmology Simulation. *Ophthalmology Research*, 45-57.

Jones PR, Somoskeöy T, Chow-Wing-Bom H, Crabb DP. (2020). Seeing other perspectives: evaluating the use of virtual and augmented reality to simulate visual impairments.

Kaplan, D. E. (13 January, 2022). Simulation, Gaming, and Programing in Education. *Creative Education*, 1-8. Retrieved from <https://scirp.org/reference/referencespapers.aspx?referenceid=3152979>

Khan R, P. J. (2018). Virtual reality simulation training for health professions trainees in gastrointestinal endoscopy. *Cochrane Library*, 1-120. Retrieved from <https://www.cochranelibrary.com/cdsr/doi/10.1002/14651858.CD008237.pub3/pdf/full>

Lauren R. McBurnett, M. M. (2018). Simulation Gaming Can Strengthen Experiential Education in Complex Infrastructure Systems. *Simulation & Gaming*, 1-22. Retrieved from <https://journals.sagepub.com/doi/pdf/10.1177/1046878118767729>

Lucia Gatti, M. U. (2018). Education for sustainable development through business simulation games: An exploratory study of sustainability gamification and its effects on students' learning outcomes. *Journal of Cleaner Production*, 1-33. Retrieved from <https://www.sciencedirect.com/science/article/abs/pii/S0959652618328531>

Lee SS, Black AA, Wood JM. (2017). Effect of glaucoma on eye movement patterns and laboratory-based hazard detection ability.

Leitritz MA, Ziemssen F, Suesskind D, Partsch M, Voykov B, Bartz-Schmidt KU, et al. (2014). Critical evaluation of the usability of augmented reality ophthalmoscopy for the training of inexperienced examiners. 785-781.

Maloca PM, de Carvalho JER, Heeren T, Hasler PW, Mushtaq F, Mon-Williams M, et al. (2018). High-performance virtual reality volume rendering of original optical coherence tomography point-cloud data enhanced with real-time ray casting. In *Transl Vis Sci Technol*.

Margaret Verkuyl, D. R. (2018). Virtual gaming simulation of a mental health assessment: A usability study. *Nurse Education In Practice*, 1-26.

Michail Kalogiannakis, S. P.-I. (2021). Gamification in Science Education. A Systematic Review of the Literature. *Education Sciences*, 1-36. Retrieved from <https://i-share-ctu.primo.exlibrisgroup.com/discovery/>

Muhammet Demirbilek, D. K. (2019). Using Computer Simulations and Games in Engineering Education: Views from the Field. 1-8. Retrieved from http://ceur-ws.org/Vol-2393/paper_345.pdf

McGaghie, W. C., Issenberg, S. B., Cohen, E. R., Barsuk, J. H., & Wayne, D. B. (2010). Does simulation-based medical education with deliberate practice yield better

results than traditional clinical education? A meta-analytic comparative review of the evidence. . *The Association Of American Medical Colleges*, 706-711.

Microsoft. (2020). *Functions (C# Programming Guide)*. Retrieved from <https://docs.microsoft.com/en-us/dotnet/csharp/programming-guide/functions/>

Nasser Jabbari, Z. R. (2018). Second language learning in the context of massively multiplayer online games: A scoping review. *Cambridge University Press*, 1-22.

Neila Campos, M. N. (2020). Simulation-based education involving online and on-campus models in different European universities. *International Journal of Educational Technology in Higher Education*, 1-15. Retrieved from <https://link.springer.com/content/pdf/10.1186/s41239-020-0181-y.pdf>

Novak, E. (2018). Effects of game-based learning on students A meta-analysis. *Journal of Computer Assisted Learning*, 1-15.

Nguyen M, Quevedo-Urbe A, Kapralos B, Jenkin M, Kaney K, Jaimes N. (2017). An experimental training support framework for eye fundus examination skill development. In *Comput Methods Biomech Biomed Eng Imaging Vis* (pp. 26-23).

Olga Chernikova, N. H. (2020). Simulation-Based Learning in Higher Education. *Review of Educational Research*, 1-43. Retrieved from <https://journals.sagepub.com/doi/pdf/10.3102/0034654320933544>

Omer Awan, M. M. (2019). Making Learning Fun: Gaming in Radiology Education. *Radiology Research Alliance*, 1-10.

Özge Kelleci, N. C. (2020). Using Game-Based Virtual Classroom Simulation in Teacher Training: User Experience Research. *Simulation & Gaming*, 1-22.

Patrick van Esch, T. v.-B. (2020). The effect of marketing simulations on student engagement and academic outcomes. *ting Education Review*, 1-15.

Pavlovic, D. (2020). Video Game Genres: Everything You Need to Know. *HP tech*, 1-9.

Peterson, M. (2021). Digital simulation games in CALL: a research. *Full Terms & Conditions of access and use can be found at*, 1-26. Retrieved from <https://www.tandfonline.com/doi/abs/10.1080/09588221.2021.1954954?journalCode=ncal20>

Rai AS, Rai AS, Mavrikakis E, Lam WC. (2017). Teaching binocular indirect ophthalmoscopy to novice residents using an augmented reality simulator. 430-434.

Raúl A. Barba-Martín, D. B.-G.-A.-C. (2020). The Application of the Teaching Games for Understanding in Physical Education. Systematic Review of the Last Six Years. *International Journal of Environmental Research and Public Health*, 1-16.

Ricardo Torres Kompen, P. E. (2019). Personal learning Environments based on Web 2.0 services in. *Telematics and Informatics*, 1-13. Retrieved from <https://www.sciencedirect.com/science/article/pii/S0736585318306312>

Richard L. Lamb, L. A. (2018). A meta-analysis with examination of moderators of student cognition., *Computers in Human Behavior*, 1-11.

Sarah Victoria Gentry. (2019). Serious Gaming and Gamification Education in Health Professions: Systematic Review. *JOURNAL OF MEDICAL INTERNET RESEARCH*, 1-20.

Serrano, K. (2019). The effect of digital game-based learning on student learning: A. *UNI ScholarWorks*, 1-53. Retrieved from <https://scholarworks.uni.edu/cgi/viewcontent.cgi?article=1909&context=grp>

Shahryan Abdulrahman Alserri, N. A. (2018). Gender-based Engagement Model for Serious Games. *international journal on advanced science engineering and information technology*, 1-8. Retrieved from https://www.researchgate.net/profile/Shahryan-Alserri/publication/327250440_Gender-based_Engagement_Model_for_Serious_Games/links/5b8e55d9a6fdcc1ddd0b0e56/Gender-based-Engagement-Model-for-Serious-Games.pdf

Siu Yin Cheung, K. Y. (2021). Application of the Educational Game to Enhance Student Learning. *Frontiers in Education*, 1-10. Retrieved from <https://www.frontiersin.org/articles/10.3389/feduc.2021.623793/full>

Sixto González-Víllora, M. J.-D.-V. (2019). Model, The Way to Increase the Motor and Sport Competence Among Children: The Contextualized Sport Alphabetization. 1-16. Retrieved from <https://www.frontiersin.org/articles/10.3389/fphys.2019.00569/full>

Soegoto, E. S. (2018). Building Web-based Game Online. *IOP ebooks*, 1-9. Retrieved from https://www.researchgate.net/publication/327900334_Building_Web-based_Game_Online

SofiaSchöbel, M. A. (2021). Two decades of game concepts in digital learning environments – A bibliometric study and research agenda. *Computers & Education*, 1-23. Retrieved from <https://www.sciencedirect.com/science/article/pii/S0360131521001731>

Stephen B. Duffull, A. K. (2020). Students' perceptions of playing a serious game intended to enhance therapeutic decision-making in a pharmacy curriculum. *Currents in Pharmacy Teaching and Learning*, 1-6.

Schwaber, K., & Sutherland, J. (2020). The scrum guide. Retrieved from <https://www.scrumguides.org/docs/scrumguide/v2020/2020-Scrum-Guide-US.pdf>

Smith, J. (2022). *Enhancing Security in Patient Simulation Games*. *Journal of Medical Simulation*, 123-135.

Smith, J. R. (2020). Technical Challenges in Developing Realistic Ophthalmology Simulators. *Journal of Ophthalmology Education*, 78-92.

Thorkild Hanghøj, K. S. (2018). Games as tools for dialogic teaching and learning: outlining a pedagogical model for researching and designing game-based

- learning environments. *Games and Education: Designs in and for Learning.*, 1-11.
- Ungewiss J, Kübler T, Sippel K, Aehling K, Heister M, Rosenstiel W, Simulator/On-road Study Group. (2018). Agreement of driving simulator and on-road driving performance in patients with binocular visual field loss.
- Unity Technologies. (2020). *Scripting documentation Manual: Button*. Unity Technologies. Retrieved from <https://docs.unity3d.com/Manual/script-Button.html>
- Wei L, Najdovski Z, Nahavandi S, Weisinger H. (2014). Towards a haptically enabled optometry training simulator. In *Netw Model Anal Health Inform Bioinforma* (pp. 1-8).
- Wei L, Najdovski Z, Wael A, Nahavandi S, Weisinger H. (2012). Augmented optometry training simulator with multi-point haptics. *Proceedings of the 2012 IEEE International Conference on Systems, Man, and Cybernetics*.
- Williams, L. C., et al. (2019). User-Centric Design Principles for Inclusive Ophthalmology Simulators. *Journal of Medical Simulation*, 32-45.
- Wilson AS, O'Connor J, Taylor L, Carruthers D. (2017). A 3D virtual reality ophthalmoscopy trainer. In *Clin Teach* (pp. 427-431).
- World Health Organization [WHO]. (2019). *World report on vision*. Retrieved from <https://www.who.int/publications/i/item/world-report-on-vision>
- Woo-Hyun Lee, H.-M. S.-G. (2022). Effect of Game-based Learning using Live Streaming on Learners' Interest, Immersion, Satisfaction, and Instructors' Perception. 1-24.
- Zamora, G., & Lahoz, F. (2022). What is User Acceptance Testing (UAT)? Examples. *The Best PC Simulation and World-Building Games for 2022*. Retrieved from <https://www.pcmag.com/picks/the-best-pc-simulation-and-world-building-games>

Ziv A., Wolpe PR., Small SD., Glick S. (n.d.). Simulation-based medical education: an ethical imperative.

