



## Alberto Casas Ortiz

Software Engineer for Athlete Performance Research, Wu Tsai Human Performance Alliance

### Publications

---

#### PUBLICATIONS

- **A holistic framework to create intelligent systems for psychomotor learning: a systematic review and insights from the virtual reality Kenpo learning simulator** *VIRTUAL REALITY*  
Casas-Ortiz, A., Jimenez-Tellez, N., Portaz, M., Santos, O. C.  
2026; 30 (2)
- **Exploring the Impact of Partial Occlusion on Emotion Classification From Facial Expressions: A Comparative Study of XR Headsets and Face Masks** *IEEE Access*  
Casas-Ortiz, A., Echeverria, J., Jimenez-Tellez, N., Santos, O. C.  
2024; 12: 44613 - 44627
- **Sevoflurane Exposure in Neonates Perturbs the Expression Patterns of Specific Genes That May Underly the Observed Learning and Memory Deficits.** *International journal of molecular sciences*  
Jimenez-Tellez, N., Pehar, M., Visser, F., Casas-Ortiz, A., Rice, T., Syed, N. I.  
2023; 24 (10)
- **Dexmedetomidine Pre-Treatment of Neonatal Rats Prevents Sevoflurane-Induced Deficits in Learning and Memory in the Adult Animals.** *Biomedicines*  
Jimenez-Tellez, N., Pehar, M., Iqbal, F., Casas-Ortiz, A., Rice, T., Syed, N. I.  
2023; 11 (2)
- **Intelligent systems for psychomotor learning: a systematic review and two cases of study** *Handbook of Artificial Intelligence in Education*  
Casas Ortiz, A., Echeverria, ., Santos, O. C.  
Edward Elgar Publishing.2023; 1: 390–421
- **Designing, Building and Evaluating Intelligent Psychomotor AIED Systems** *International Conference on Artificial Intelligence in Education*  
Santos, O. C., Portaz, M., Casas-Ortiz, A., Echeverria, ., Perez-Villegas , L. F.  
2023: 91–96
- **Dexmedetomidine does not compromise neuronal viability, synaptic connectivity, learning and memory in a rodent model** *SCIENTIFIC REPORTS*  
Jimenez-Tellez, N., Iqbal, F., Pehar, M., Casas-Ortiz, A., Rice, T., Syed, N.  
2021; 11 (1): 16153
- **KSAS: A Mobile App with Neural Networks to Guide the Learning of Motor Skills** *Conferencia de la Asociación Española para la Inteligencia Artificial*  
Casas Ortiz, A., Santos, O. C.  
Asociación Española para la Inteligencia Artificial.2021: 997-1000