



## Dr. Marvin Andujar



Dr. Marvin Andujar, is an Assistant Professor and Lab Director of the Neuro-Machine Interaction research lab within the Department of Computer Science and Engineering at the University of South Florida, located in Tampa, Florida, USA. Dr. Andujar earned his Ph.D. in Human-Centered Computing from the University of Florida, located in Gainesville, Florida, USA. He also holds a B.S. in Computer Science and a B.A. in Mathematical Sciences from Kean University. Located in Union, NJ, USA. During his doctoral studies, Dr. Andujar was recognized for his exceptional academic accomplishments, having been awarded several prestigious honors, including a National Science Foundation Graduate Research Fellowship, a GEM Fellowship, a Generation's Google Scholar, and an Intel Scholar.

Dr. Andujar's research interests revolve around exploring how non-invasive wireless Brain-Computer Interfaces can assist humans in enhancing their affective, emotional, and cognitive states during human-machine interaction. He is currently engaged in innovative, high-risk, and crosscutting research efforts aimed at improving sustained attention in individuals diagnosed with attention deficit hyperactivity disorder (ADHD) and strengthening the security of user digital data through brain activity analysis. His dissertation work, which focused on measuring the effectiveness of quantified-self attention feedback from the brain towards user attention improvement, is emblematic of his cutting-edge research contributions. As a junior researcher, he has published over 40 esteemed research papers in top 20 Human-Computer Interaction venues according to Google Rankings, which have undergone rigorous refereeing processes. His work has also been presented in a TedX talk.

Dr. Andujar's research initiatives have been funded by several renowned organizations, including the National Science Foundation (NSF), SOFWERX/DEFENSEWERX, the Florida High Tech Corridor, and Intel. His groundbreaking work has been featured in more than 600 reputable media outlets worldwide, including the New York Times, Tampa Bay Times, Associated Press, U.S. News, the Verge, Engadget, among many others. Additionally, his research has been highlighted in a documentary produced by Discovery Channel in Canada. Notably, Dr. Andujar has been recognized as one of the top 10 under 40 for the 2022 list in Tampa Bay for his contributions to the community and exemplary work.

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