

## Mr. Andres R Montenegro

Purdue University Fort Wayne  
Professor Associate  
Art and Design  
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### Education

MFA, University of Oregon, 2006.  
Major: Digital Arts

MA, Universidad de Playa Ancha. Valparaiso. Chile, 1996.  
Major: Arts

BA, Universidad de Chile. Valparaiso. Chile., 1986.  
Major: Arts

### Licensures and Certifications

CELT Certification of Achievement for Teaching Methodology, CELT. (September 2015 - Present).

ACM (Association of Computing Machinery) certification., Association of Computing Machinery. (September 2013 - Present).

### Professional Memberships

FilmFreeway. (September 19, 2020 - Present).

Member of the International Society of Animation Studies. (August 2014 - Present).

Association of Computing Machinery (ACM). (September 2012 - Present).

Sigrapph. (September 2012 - Present).

Apple developer program. (September 19, 2020 - August 2021).

STEAM Video game digital distribution service by Valve. (September 19, 2020 - August 2021).

Member of the International Digital Media and Arts Association. (October 4, 2014 - December 2016).

### Awards and Honors

Official Selection of the 3D Computer animation "The Alley," at the International Short Film Festival Canton. Guangzhou. China. October 2021.

Nominated for: Official selection, and semifinalist for the Best Animated Short, Roma Prisma International short Film, Rome, Italy. (April 2021).

Winner for the Best Animated Short, Lulea International short Film, Sweden. (March 2021).

Nominated for: nominated for the award of best animation short, Paris International short Film, Paris, France. (December 2020).

IRSC Collaborative Grant, Indiana University-Purdue University Fort Wayne. (May 2018).

Purdue Summer Grant, Indiana University-Purdue University Fort Wayne. (October 2016).

IPFW Grant-In-Aid, Indiana University-Purdue University Fort Wayne. (September 2016).

CELT (Center for Enhancement of Learning and Teaching) Certificate of Achievement, Indiana University-Purdue University Fort Wayne. (October 2015).

Travel grant. Office of Research, Engagement, and Sponsored Programs (RESP), Indiana University-Purdue University Fort Wayne. (May 2015).

Indiana University Overseas Travel Grant, IU-IPFW. (April 2015).

College of Visual and Performing Arts Professional Development Grant, Indiana University-Purdue University Fort Wayne. (April 2014).

Nominated for: Course development grant for a brand-new Honors course, Indiana University-Purdue University Fort Wayne. (October 2013).

Prize to the outstanding trajectory, and academic achievement., Municipality of San Felipe, Chile. (September 2013).

Prize of Residence DoubleMetre Animation. Creative Focus. International Animation Festival of Annecy, International Animation Festival of Annecy. Carrefour de la Creation. (June 2013).

College of Visual and Performing Arts Professional Development Grant., Indiana University-Purdue University Fort Wayne. (April 2013).

Office of Research, Engagement, and Sponsored Programs. Creative grant. Indiana University-Purdue University Fort Wayne, Indiana University-Purdue University Fort Wayne. (June 2012).

Indiana University New Frontier: Exploration Travelling Fellowship, Indiana University-Purdue University Fort Wayne. (September 2011).

College of Visual and Performing Arts Professional Development Grant., University of Wisconsin, Whitewater. (October 2010).

University of Oregon Scholarship, University of Oregon. (March 2004).

University of Oregon visit. College of Education, Universidad of Playa Ancha - University of Oregon, College of Education. (October 2001).

Palestine seen by Chile, Palestine Club. Santiago Chile. (April 1993).

University of Oregon visit. College of Education, Universidad de Valparaiso. Chile. (April 1993).

Centennial Prize, Fire Department, Valparaiso. Chile, Fire Department, Valparaiso. Chile. (April 1986).

## **Consulting**

Non-Governmental Organization (NGO), Science Central, Fort, IN, United States. (March 1, 2020 - December 1, 2020).

Non-Governmental Organization (NGO), YMCA, Fort Wayne, IN, United States. (November 30, 2018 - December 5, 2018).

Non-Governmental Organization (NGO), United Arts Fort Wayne, Fort Wayne, IN, United States. (August 25, 2017 - August 27, 2017).

Non-Governmental Organization (NGO), Hispanic Higher Education Fair Committee. (May 30, 2017 - June 30, 2017).

Academic, Hispanic Education Fair Committee, Fort Wayne, IN, United States. (April 28, 2015 - April 28, 2017).

## **Media Appearances and Interviews**

"“Latin American Film maker.”," Frost Illustrated newspaper. (September 2016).

"“The Man Issue”. March issue.," Fort Wayne Magazine. (March 2016).

"Purdue Today newsletter.," Fall 2015. Full feature article in the Purdue Today. (September 2015).

"The Don Difference.," The Don Difference Series, sponsored by the Office of Academic Affairs. (August 2015).

"“The Communicator.” IPFW.," “The Communicator.”. (April 2014).

"Arts Weekly, PBS station.," Arts Weekly. (July 2013).

"Arts Weekly, PBS station.," Arts Weekly, PBS station. (April 2012).

"Inside IPFW," PBS station Fort Wayne." (October 2011).

"Dreamscape, an innovative art exhibition at IPFW, puts the viewer in control." Review." (February 2011).

"The Stuff of Dreams." Exhibit of VCD faculty Andres Montenegro and Allen Etter." (December 2010).

## Publications

"Interactive Spatialized animations in The Wedding Chamber Project as a methodology to produce phenomenological diegetic renderings inside an XR immersive environment," in the proceedings of the 6th IEEE VR Internal Workshop on Animation in Virtual and Augmented Environments (ANIVAE-2023,) in the IEEE VR 2023: the 30th IEEE Conference on Virtual Reality and 3D User Interfaces conference in Shanghai, China. (In progress)

Montenegro, A.R. *Andrea Mantegna's Wedding Chamber: An Early Renaissance Immersive Masterpiece Rendered as a Modern Extended-Reality Installation*, in the International Journal of Art, Culture, Design, and Technology (IJACDT) ISSN: 2155-4196|EISSN: 2155-420X|DOI: 10.4018/IJACDT. Published.

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Montenegro, A.R. *Introduction to 3D Modeling, author Andres Montenegro. Edition 1. 434 pages. Kendall Hunt Publishers. ISBN 9781792494765* Published.

Montenegro, A.R. *Extended Reality as the Immersive Environment Conjunction of Augmented Reality, Virtual Reality, and Mixed Reality: A Phenomenological Response Facing Modern Culture*, in the book:

Handbook of Research on Urban Tourism, Viral Society, and the Impact of the COVID-19 Pandemic  
2022-06-30 | Book chapter | *Author*  
DOI: [10.4018/978-1-6684-3369-0.ch028](https://doi.org/10.4018/978-1-6684-3369-0.ch028)  
Part of ISBN: [9781668433690](https://doi.org/9781668433690)  
CONTRIBUTORS: Andres Montenegro.

Montenegro, A. R. "Pictorial and Virtual simulation of Andrea Mantegna's Fresco the Wedding Chamber Through a Mixed Reality Environment Installation." ARTECH 2021. Association of Computing Machinery Digital Library. October 2021. Published.

Montenegro, A. R. (2015). Fall 2015. "Two phenomenological notions expressed in the interactive art contained within Myron Krueger and Jeffrey Shaw's immersive environment." International Digital Media Art Association Journal. Vol 12, pp-33-39. *International Digital Media Association Journal*. Published.

Montenegro, A. R. (2015). Spring 2015. "Dos Nociones Fenomenológicas Contenidas En El Arte Interactivo De Los Espacios Inmersivos de Myron Krueger y Jeffrey Shaw." (Two phenomenological notions expressed in the interactive art contained within Myron Krueger and Jeffrey Shaw's immersive environment.) *Revista IMAGO. School of Art. University of Playa Ancha. Valparaiso. Chile. Vol. 7, pp. 52-67.* Published.

Montenegro, A. R. (2014). Fall 2014. Alhassan, B. Carvalho, E. Sztrajtman, and A. Montenegro. (2014) "Structural and Architectural Designs of the Optimum Alternative for Rio 2016. *International Journal of Applied Science and Technology (IJAST)*. Published.

Montenegro, A. R. (2014). Olympic Tennis Stadium," International Journal of Applied Science and Technology (IJAST). Vol. 4, No 7, pp. 1-14. *International Journal of Applied Science and Technology (IJAST)*. Published.

Montenegro, A. R. (2013, July). Summer 2013. Carrefour de la Création catalogue. Creative Focus conference. International Animation Festival of Annecy. France. *Carrefour De La Creation. Creative Focus*. Published.

Montenegro, A. R. (2013). *Spring 2013. "Nuevas Practicas Con Imágenes Renderizadas Para El Artista En El Estudio."* *Revista Imago. Journal of Art and Design. Universidad de Playa Ancha. Valparaiso. Chile. Vol 6, pp. 22-35.* Published.

Montenegro, A. R. (2011). *Spring 2011. "New Aesthetic and Practical Venues for Rendered CGI images in Studio Art."* *Common Ground Publishers. International Journal of the Image. University of Illinois. Vol 1, Issue1 pp. 205-222.* Published.

## Presentations

Montenegro, A.R. "Interactive Spatialized animations in The Wedding Chamber Project as a methodology to produce phenomenological diegetic renderings inside an XR immersive environment," for the 6<sup>th</sup>. IEEE VR Internal Workshop on Animation in Virtual and Augmented Environments (ANIVAE-2023,) in the IEEE VR 2023: the 30th IEEE Conference on Virtual Reality and 3D User Interfaces conference in Shanghai, China.

Montenegro, A.R. Paper, and screening presentation at the *CAGA 2022 Conference Dimensions of Animations* at the Lucerne University of Applied Sciences and Arts. 30 minutes Presentation. *Using 2D and 3D interactive animations as an expanded narrative to render the pictorial and virtual simulation of Andrea Mantegna's fresco The Wedding Chamber through a mixed reality environment installation.* November 2022.

Montenegro, A. R. Montenegro, A. R. "Pictorial and Virtual simulation of Andrea Mantegna's fresco The Wedding Chamber through a mixed reality environment installation." ARTECH 2021. International Conference on Digital and Interactive Arts. Aveiro, Portugal. October 2021.

Montenegro, A. R. (Presenter), International Conference of the Society of Animation Studies. Online version., "Mapping the metaphorical and uncanny narrative of Balthus's painting "Passage Du Commerce Saint André," through "The Alley" an animated fictional interpretation of the former,," International Conference of the Society of Animation Studies, Tulane University., New Orleans, LA, United States. (July 15, 2021).

Montenegro, A. R., "Science, Technology, Engineering, Arts and Math" camp, "Virtual Workshop and Camp "Science, Technology, Engineering, Arts and Math",," Science Central, Science Central., Fort Wayne, IN, United States. (December 2020).

Montenegro, A. R., Virtual presentation to the faculty of Universidad of Playa Ancha Chile, "The use of Virtual Reality in visual arts, and education.,," Universidad of Playa Ancha Chile, Universidad of Playa Ancha Chile, Valparaiso, Chile. (November 2020).

Montenegro, A. R., Alliance Teaching Showcase., "Poster Presentation of Teaching methodology," Purdue University Fort Wayne, Purdue Fort Wayne University. Alumni Center, Fort Wayne, IN, United States. (September 2019).

Montenegro, A. R., This event was organized by the Helmke Library and was visited by Chancellor Ron Elsembauer., "Open house of the project The Wedding Chamber.,," Helmke Library, Helmke Library. Purdue Fort Wayne University, Fort Wayne, IN, United States. (April 2019).

Montenegro, A. R., Workshop panelist for the Say it in 6, and the 3MT Contest., "How to prepare visual communication through images. PFW.,," Purdue Fort Wayne University., Purdue Fort Wayne University., Fort Wayne, IN, United States. (September 2018).

Montenegro, A. R., PFW Alumni Center., "Lecture about how to implement VR in the classroom. PFW Alumni Center.,," Purdue Fort Wayne University. Alumni Center, Fort Wayne, IN, United States. (September 2018).

Montenegro, A. R., conference Teach, Play, and Learn. Using games and AR/VR to facilitate the learning process in college students. Indiana University. South Bend., "Prototype, and poster presentation at the conference Teach, Play, and Learn. Using games and AR/VR to facilitate the learning process in college students. Indiana University. South Bend.,," Indiana University. South Bend., South Bend, IN, United States. (June 2018).

- Montenegro, A. R., Teach, Play and Learn Conference at Indiana University, South Bend., "Workshop panelist at the Teach, Play and Learn Conference at Indiana University, South Bend. Using Augmented Reality in coping with anxiety.," Indiana University, South Bend., South Bend, IN, United States. (June 2018).
- Montenegro, A. R., PFW Scientist Day. Science Central., "Research presentation at Science Central Fort Wayne. PFW Scientist Day. Science Central.," Science Central Fort Wayne., Science Central Fort Wayne., Fort Wayne, IN, United States. (April 2018).
- Montenegro, A. R., Jackson, N. A., Expressive Creative Therapies Summit, November 2016. Executive Conference Center, Broadway. New York City., "November 2016. Panelist and speaker at the Expressive Creative Therapies Summit, November 2016. Panelist and speaker at the Expressive Creative Therapies Summit, "Listen to Music, Arts and Movement: Explorations in Co-Created Non- Verbal Communication." Presentation about interactive animations and sound. Executive Conference Center, Broadway. New York City.," Executive Conference Center, Broadway. New York City., New York, United States. (November 2016).
- Jackson, N. A., Cominardi, C., Winklosky, T., Montenegro, A. R., Listening to Music, Movement, and Art: Explorations in Co-created, Non-verbal Communication., Expressive Therapies Summit, New York, NY, United States. (October 2016).
- Montenegro, A. R., STEM Communication Fellow. "Portal to the Public", "Research display," Science Central/IPFW, Fort Wayne Science central., Fort Wayne, IN, United States. (September 2016).
- Montenegro, A. R., Fall 2015. Visual Effects and Computer Graphics. Presentation at Fort Wayne Science Central., "Visual Effects and Computer Graphics. Presentation at Fort Wayne Science Central. Fall 2015. Visual Effects and Computer Graphics. Presentation at Fort Wayne Science Central.," Fort Wayne Science Central., Fort Wayne, IN, United States. (September 2015).
- Montenegro, A. R., 27th International Society for Animation Studies annual conference "Beyond the Frame." Canterbury Christ Church University, UK. 13-16 July., "Paper Presentation "The implementation of an interactive phenomenological narrative through real time 3D animations, 2D animations, 3D models, images, and virtual environments using Augmented Reality" at the 27th International Society for Animation Studies annual conference "Beyond the Frame." Canterbury Christ Church University, UK.," Canterbury, England. (July 2015).
- Montenegro, A. R., International Digital Media Arts Association Conference, ""The Secret of The Lost Station." 3D computer animation.," International Digital Media Arts Association Journal, Utah. Valley University. Orem. Utah., Orem, United States. (November 2014).
- Montenegro, A. R., The International Digital Media, and Arts Association Conference, ""Two Phenomenological Notions Expressed in the Interactive Art Contained within Myron Krueger and Jeffrey Shaw's Immersive Environment", " The International Digital Media and Arts Association, Utah. Valley University. Orem. Utah., Orem, UT, United States. (November 6, 2014).
- Montenegro, A. R., Animation Screening, ""The Little Quest of Petrovsky." 3D computer animation and stop motion.," Doublemetre Animation, Doublemetre Animation Studios. Boulevard de La Charonne. Metro Pere Lachaise. Paris. France., Paris, France. (March 2014).
- Montenegro, A. R. (Presenter), Le Carrefour de La Creation, "The development of the Animated Short "The Little Quest of Petrovsky," International Animation of Annecy, Annecy Palace of conferences, Annecy, France. (July 13, 2013).
- Montenegro, A. R., Main speaker at a three-week seminar at Universidad of Playa Ancha Valparaiso., ""Implementation of emerging technologies for interactive art. Use of Microsoft Kinect for real time animations.," Universidad of Playa Ancha Valparaiso. Chile, Universidad of Playa Ancha Valparaiso. Chile, Valparaiso, Chile. (April 2013).
- Montenegro, A. R., Main Speaker. Invited for the Literacy Seminar., "Animation career and production," Department of Visual Communication and Design., Neff Hall auditorium. IPFW., Fort Wayne, IN, United States. (February 2013).

Montenegro, A. R., "Encuentros Conference". Chilean Scientist in The World, "Interactive Communication Using OSC," Encuentros Organization, University of California. Berkeley., San Francisco. Berkeley, CA, United States. (September 2011).

Montenegro, A. R., International Conference on the Image, "Paper presentation "New Aesthetics and Practical Venues for Rendered CGI images in Studio Art.,"" Common Ground Publishers, University of California. Los Angeles. UCLA., Los Angeles, CA, United States. (December 2010).

### **Contract, Fellowships, Grants and Sponsored Research**

Montenegro, A. R., "VCD/VPA Travel Grant," 2022, sponsored by Purdue Fort Wayne University, College of Visual and Performing Arts. \$2,300.00.

Montenegro, A. R., "VCD/VPA Travel Grant," 2021, sponsored by Purdue Fort Wayne University, College of Visual and Performing Arts. \$2,300.00.

Montenegro, A. R., "2020 Sabbatical Travel grant \$4,000.," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$4,000.00.

Montenegro, A. R., Ushenko, A., "IRSC Collaborative Grant," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$15,000.00.

Montenegro, A. R., "PFW Summer Collaborative grant.," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne.

Montenegro, A. R., "Grant in Aid," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,000.00.

Montenegro, A. R., "Purdue University Summer Grant," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$8,000.00.

Montenegro, A. R., "VCD/VPA Travel Grant," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,000.00.

Montenegro, A. R., "Grant.," Sponsored by Indiana University, State, \$3,000.00.

Montenegro, A. R., "Indiana University Overseas Travel Grant. \$1,500," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,500.00.

Montenegro, A. R., "Purdue International Travel Grant.," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,500.00.

Montenegro, A. R., "VCD/VPA Travel Grant.," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,000.00.

Montenegro, A. R., "VCD/VPA Professional Development/Travel Grant.," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,000.00.

Montenegro, A. R., "VPA Professional Development/Travel Grant.," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,000.00.

Montenegro, A. R., "RESP Overseas Conference Grant.," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,500.00.

Montenegro, A. R., "VPA Professional Development/Travel Grant.," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,000.00.

Montenegro, A. R., "VCD Travel Grant to SIGGRAPH 2012.," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,500.00.

Montenegro, A. R., "RESP Grant In Aid," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,000.00.

Montenegro, A. R., "Indiana University New Frontier: Exploration Travelling Fellowship.," Sponsored by Indiana University, State, \$2,500.00.

Montenegro, A. R., "ORES Grant in Aid," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,000.00.

Montenegro, A. R., "VPA Professional Development/Travel Grant.," Sponsored by Purdue Fort Wayne University, Purdue University Fort Wayne, \$1,000.00.

## **Exhibits and Performances**

Montenegro, A. R. Department of Art, and Design Faculty Show. Visual Arts Gallery. College of Visual and Performing Arts. IPFW. March 2023.

Montenegro, A.R. video animation "The Most Beautiful Room in the World" was selected for the online and onsite screening show at the 30<sup>th</sup> IEEE Conference on Virtual Reality and 3D User Interfaces conference in Shanghai, China, from March 25-29, 2023.

Montenegro, A.R. Official Selection for the "International Film Festival Canton," Guangzhou, China, 2021.

Montenegro, A.R. "Pictorial and Virtual Simulation of Andrea Mantegna's Fresco the Wedding Chamber Through a Mixed Reality Installation" was selected to be part of the digital art show in the ARTECH 2021: 10<sup>th</sup>. International Conference on Digital and Interactive Arts, in Aveiro, Portugal, October 2021.

Montenegro, A. R., "50 years of the Visual Arts program, at the Universidad of Playa Ancha. Valparaiso. Chile," Universidad of Playa Ancha, Baburizza Palace, Valparaiso, Chile. (September 2021 - October 2021).

Montenegro, A. R., "Screening of Animated Short "The Alley. Lucho Lopez's Dream," in the Roma Prisma International short Film, Rome, Italy. 8 minutes and 57 seconds length CGI animation.,," Online, Rome, Italy. (April 2021).

Montenegro, A. R., "Screening of the Animated Short in the Lulea International short Film, Sweden, "The Alley. Lucho Lopez's Dream." 8 minutes and 57 seconds length CGI animation.,," Lulea International Short Film Festival, Online, Lulea, Sweden. (March 2021).

Montenegro, A. R., "Paris International short Film. Participation with the short film "The Alley.,," Paris International Film Festival, Online, Paris, France. (January 2021 - February 2021).

Montenegro, A. R., ""Creative Motivations". Visual Arts Gallery. College of Visual and Performing Arts. IPFW. February 26 to April 1, 2020," Fort Wayne, IN, United States. (February 2020)

Montenegro, A. R., "Faculty exhibition. Art and Design Department. Visual Arts gallery. October 2018," College of Visual and Performing Arts, Visual Art Gallery, Fort Wayne, IN, United States. (October 2018)

Montenegro, A. R., "THAT camp Midwest. PFW Helmke Library. Basement LB41, Virtual Reality immersive environment of Andrea Mantegna's Wedding Chamber and the Saint Giorgio Castle, Mantua. Italy.,," Fort Wayne, IN, United States. (April 2018).

Montenegro, A. R., "Screening and exhibit of "The Little Quest of Petrovsky," "The Secret of The Lost Station, and 'The Absurd Garden," at the Latino Film Festival. Cinema Center. Fort Wayne." (September 2016).

Montenegro, A. R., "VPA Faculty Show. Works of Arts from the Faculty of the Department of Visual Communication and Design Visual, and Fine Arts Department. Crestwood Gallery. Roanoke. Indiana.,," Roanoke, IN, United States. (August 2015).

Montenegro, A. R., "International Digital Media and Arts Association. "Augmented Reality installation. "Timpanogos Gallery. Utah Valley University. Orem. Utah. November 5-7.,," International Digital Media and Arts Association, Utah Valley University. Timpanogos Gallery, Orem, UT, United States. (November 2014).

Montenegro, A. R., ""VCD 14." Department of visual Communication and Design Faculty show. Visual Arts Gallery. College of Visual and Performing Arts. IPFW. October 6 to November 9," Fort Wayne, IN, United States. (July 2014).

Montenegro, A. R., ""Regional Impact: Faculty Work from the IU Regional Campuses." Fine Arts Gallery. Richmond. Indiana. January 31 to March 7.,," Richmond, IN, United States. (March 2014).

Montenegro, A. R., "Dreamscape and the Subconscious, interactive animation show, Visual Art gallery. College of Visual and Performing Arts. IPFW.," Fort Wayne, IN, United States. (February 2011).

Montenegro, A. R., "Annual Maker Fair, Science, Technology and Computing. Headwater Park. Fort Wayne, Indiana.," Local Maker Lab Association, Headwaters Park, Fort Wayne, IN, United States. (September 2011).

## Research Activity

Research and creative VR project *Julia the Yamana Girl* an ethnographic and immersive animated narrative about the Yagan people of Patagonia, in collaboration with researcher Sonia Rojas, based on the anthropological studies of Anne Chapman. (October 2023)

"The design of a 3D theater to display Professor Audrey Ushenko animation concepts and renderings of the centra oculus located in the ceiling of the Wedding Chamber." (Complete). (October 10, 2020 - August 10, 2021).

"Holographic, and Mixed Reality visualization of the "Wedding Chamber Project."" (Complete). (February 1, 2020 - March 30, 2020).

"Cinematic and postproduction development of the animation project "Passage Du Commerce Saint Andre." (Complete). (August 1, 2017 - May 30, 2019).

"VR/AR movie of "Pictorial and Virtual simulation of Andrea Mantegna's fresco The Wedding Chamber through a mixed reality environment installation, to be displayed at Purdue University Fort Wayne." Fall 2018. Completion of the Animation projects "Passage Du Commerce Saint Andre." Screening will be scheduled by late spring 2019." (Complete). (January 30, 2018 - November 1, 2018).

"THAT camp Midwest. PFW Helmke Library. Basement LB41, Virtual Reality immersive environment of Andrea Mantegna's Wedding Chamber and the Saint Giorgio Castle, Mantua. Italy." (Complete). (April 8, 2018 - March 30, 2018).

"Reconstruction at IPFW of the fresco of Andrea Mantegna's "The Wedding Chamber," located at The Palazzo Ducale di Mantova, Italy, through a mixed reality environment installation." Spring 2017 Fall 2017. Collaborative research project with IPFW VCD/Psychology Department. Creating Virtual Reality Navigation to Determine Spatial Orientation Through Autodesk Maya, Unity, and HTC Vive." (Complete). (February 28, 2017 - February 28, 2018).

"App development proposal to determine the effective usability of an Augmented Reality 3D prototype app oriented for training and educational tasks, based on user's responsiveness, to be applied in four companies in the Fort Wayne area, related with medical, dental, manufacture, and public services." (Complete). (June 1, 2017 - August 30, 2017).

"Collaborative research project with IPFW VCD/Psychology Department "Mental Rotation Training and Sex Effects Using a Touch-Sensitive Rotation App" Project and paper accepted for presentation at the 89th Annual Meeting of the Midwestern Psychological Association, which will be held April 20-22, 2017, at the Palmer House Hilton in Chicago, IL." (Complete). (November 1, 2016 - April 30, 2017).

"Storyboard Deconstruction of "The Little Quest of Petrovsky," "The Secret of The Lost Station, and "The Absurd Garden," at the Latino Film Festival. Cinema Center. Fort Wayne." (Complete). (September 30, 2016 - October 30, 2016).

"Reconstruction at IPFW of the fresco of Andrea Mantegna's "The Wedding Chamber," located at The Palazzo Ducale di Mantova, Italy, through a mixed reality environment installation." (Complete). (September 1, 2016 - October 30, 2016).

"The Robbery of the Chariots of Apollo. An unexpected Journey." 3d computer animation." (Complete). (June 1, 2015 - December 20, 2015).

"The implementation of an interactive phenomenological narrative through real time 3D animations, 2D animations, 3D models, images, and virtual environments using Augmented Reality." International Conference of Animation ("Beyond the Frame") Canterbury Christ Church University. UK. Spring 2015.



"Stories of the Midwest." (Johnny Appleseed and other stories) 3D Computer animation (in production)" (Complete). (July 16, 2015 - July 18, 2015).

"IDEAS\_2014. International Digital Media and Arts Association. Augmented Reality 3d computer animations installation. Utah. Valley University. Orem. Utah." (Complete). (November 4, 2014 - November 6, 2014).

"3D Animation project / Stop Motion "The Little Quest of Petrovsky." Residency award at the Creative Focus. International Animation Festival of Annecy. France. Spring 2013. 3D Animation Project "The Secret of The Lost Station."" (Complete). (May 30, 2013 - December 14, 2013).

"New Frontier Travel Exploration Grant. Indiana University. "An Animated Convergence Between Two Traditional Story Line Legends." 3D animation/ 2D animation." (Complete). (May 1, 2011 - July 30, 2011).

"Dreamscapes and the Subconscious". Interactive animations show at IPFW Visual Arts gallery. Indiana University-Purdue University. Fort Wayne." (Complete). (February 9, 2011 - February 28, 2011).

## **Directed Student Learning**

Independent Study. (January 15, 2023 – May 5, 2023)  
Student: Spencer Hoff.

Independent Study. (January 15, 2023 – May 5, 2023)  
Student: Sydney Payne.

Senior Thesis Project. (August 30, 2019 - November 10, 2020).  
Advised: Levi Tapia.

Senior Thesis Project. (January 30, 2019 - November 10, 2019).  
Advised: Aidan Kiraly.

Senior Thesis Project. (January 30, 2019 - April 30, 2019).  
Advised: Kerry Wallace

Senior Thesis Project. (August 30, 2018 - April 10, 2019).  
Advised: Jacob Schultheis.

Senior Thesis Project. (January 30, 2018 - November 10, 2018).  
Advised: Steven Barkiewitz.

Senior Thesis Project. (August 30, 2017 - April 10, 2018).  
Advised: James Baker, and Ignacia Montenegro.

Senior Thesis Project. (January 30, 2016 - November 10, 2016).  
Advised: Haris Sabic, Sam Seward.

Supervised Teaching Activity. (September 5, 2016 - September 6, 2016).  
Advised: David Adams, McKenzie Billman, Tanya Riveron, Michael Smith, Ignacia Montenegro, Merrill Thompsom.

Senior Thesis Project. (January 30, 2015 - April 10, 2015).  
Advised: Nick Karn, Francisca Montenegro, Michael Vossmeier, Douglas Bryce, Rakesh Younger, and Michael Moses.

Directed Individual/Independent Study. (August 30, 2014 - April 10, 2015).  
Advised: Kevin Sanders.

Directed Individual/Independent Study. (January 30, 2014 - April 10, 2014).  
Advised: Amaya Ayers.

Directed Individual/Independent Study. (January 30, 2013 - April 2013).  
Advised: Bruno Carvalho and Eduardo Sztrajtmán.

Directed Individual/Independent Study. (January 30, 2013 - April 10, 2013).  
Advised: Emily Westhoff.

Senior Thesis Project. (January 30, 2013 - April 10, 2013).

Advised: Anthony Gerardot.

Senior Thesis Project. (January 30, 2013 - April 10, 2013).

Advised: David Perry.

Directed Individual/Independent Study. (September 30, 2012 - December 10, 2012).

Advised: Gregory Scalet.

Senior Thesis Project. (February 28, 2012 - November 10, 2012).

Advised: Brittanie Stabler.

## **Mentoring**

Bailey Rassavong (Undergraduate). March 2020 - May 2020.

(Undergraduate). March 2011 - April 2019.

Kerry Wallace (Undergraduate). February 2018 - October 2018.

Kerry Wallace, Bailey Rassavong, Steven Barkiewicz, Aidan Kiraly (Undergraduate). February 2018 - October 2018.

Jacob Schulteiss, Kerry Wallace, Bailey Rassavong, Steven Barkiewicz, Aidan Kiraly (Undergraduate). March 2017 - October 2017.

(Undergraduate). October 2010 - September 2014.

## **Non-Credit Instruction Taught**

Virtual Reality Summer Camp, Purdue University Fort Wayne and College of Visual and Performing Arts, 45 participants. (June 28, 2022 - July 16, 2022).

Virtual Reality Summer Camp, Purdue University Fort Wayne and College of Visual and Performing Arts, 45 participants. (June 28, 2021 - July 16, 2021).

Virtual Reality Summer Camp, Purdue University Fort Wayne and College of Visual and Performing Arts, 15 participants. (July 16, 2019 - July 21, 2019).

## **Teaching Innovation and Curriculum Development**

Publication of the book *Introduction to 3D Modeling, author Andres Montenegro. Edition 1. 434 pages. Kendall Hunt Publishers. ISBN 9781792494765* December-January 2023,

Class materials innovation. Video Guide and hand out-quick method to install and implement Microsoft Hololens system of holographic interactive visualization, for the newly created Digital Arts and Humanities Lab, at Helmke Library. April 2020 - May 2020.

Class materials innovation. Video tutorials guides for the Digital Imaging Class. Spring 2020. Video tutorials guides for the Games and Virtual World class. Spring 2020. Video tutorials for the Intro to 3D Modeling class. Spring 2020. Video Guide and hand out-quick method to install and implement HTC VIVE Virtual Reality system, for the newly created Digital Arts and Humanities Lab, at Helmke Library. Spring 2020. Video Guide and hand out-quick method to install and implement Oculus Quest, Virtual Reality system, for the newly created Digital Arts and Humanities Lab, at Helmke Library. March 2020 - May 2020.

Class materials innovation. Video tutorials for the Digital Imaging class. September 30, 2019 - December 2019.

Class materials innovation. Workshop of implementation of a virtual Reality platform. Helmke Library. October 2019.

Revise Existing Course. AD 31001 Intro to 3D Modeling, and Games and Virtual Worlds offered as electives classes in the Art and Design Department. September 30, 2019 - October 2019.

Class materials innovation. Academic poster presentation at the PFW Teaching Alliance showcase. September 15, 2019 - September 2019.

Class materials innovation. Presentation of the Final projects of the Game and virtual World class. Ideas space. Helmke Library. May 3, 2019 - April 5, 2019.

Improving and innovation in teaching. Participation in the PFW Teaching Alliance retreat at Pokagon Inn. April 2019.

Class materials innovation. Virtual Reality version of the Saint Giorgio Castle to teach students the architectural layout of Andrea's Mantegna Wedding Chamber fresco, located in Mantua, Italy. November 2018 - October 2018.

Class materials innovation. Introductory video modules of Virtual Reality for non-Majors. September 2018 - November 2018.

Class materials innovation. Advanced video tutorials made in Camtasia for students of advanced 3D Modeling. February 1, 2018 - November 2018.

Class materials innovation. Video tutorials in Camtasia for the latest version of Autodesk Maya 2016/ 2017. Camtasia is the standard software application for creating video training and learning modules in multimedia format. This software can be used to teach complex 3d modeling and Animation processes. (Used for the Modeling and Animation courses.) 2017-2018. Video tutorials in Camtasia for the latest version of Autodesk Maya 2016/ 2017. January 2017 - November 2018.

Revise Existing Course. Proposals of Games and Virtual Worlds for non-Majors, and Intro to 3D Modeling. September 30, 2018 - October 2018.

Class materials innovation. Scholarly Teaching play cards for faculty of the PFW'S Teaching Alliance. October 2018 - September 2018.

Revise Existing Course. proposal for 3D Modeling class for non-majors. September 30, 2017 - October 2017.

Proposal for a minor in Modeling and Animation. Proposal for a minor of Modeling and Animation. March 30, 2017 - April 2017.

Curricular Development. Analysis and contribution to redefine the Modeling and Animation concentration area. Department of Visual Communication and Design. September 2016 - April 2017.

Curricular Development. Contribution to the reunification committee of the Department of Visual Communication and Design, and the Department of Fine Arts. September 2016 - April 2017.

Curricular Development. Revision and update of the Bingo sheet of the Modeling and Animation concentration area. Department of Visual Communication and Design. September 30, 2015 - October 2015.

Curricular Development. Contribution to the IPFW Collegiate Connection Courses. February 2014 - September 2014.

Department self-study. Member of the Department of Visual Communication and Design NASAD committee. Contribution to the department document. February 2014 - August 2014.

Class materials innovation. Printed tutorials for Modeling and Animation Classes. September 30, 2010 - April 2014.

Class materials innovation. Video tutorials in Adobe Captivate for the Modeling and Animation courses. January 2012 - May 2013.

Revise Existing Degree Program. Redesign of the Modeling and Animation Area Courses (Formerly Computer Art and Design. VCD. September 2012 - December 2012.

### **Faculty Development Activities Attended**

Conference Attendance, Spring 2022 Fort Wayne Teaching Conference. Purdue Fort Wayne University.

Faculty Fellowship, "Showcase for the Alliance for Teaching Enrichment at PFW Alumni Center.," Purdue University Fort Wayne. (September 2018 - Present).

Workshop, "Scholarly Teaching workshop (SoTL) about how to use play cards as gaming educational process.," Purdue University Fort Wayne. (September 2018 - Present).

Faculty Fellowship, "Alliance for Teaching Enrichment retreat at Pokagon Park.," Purdue University Fort Wayne. (April 2018 - Present).

Conference Attendance, "Fort Wayne Teaching Conference.," Purdue University Fort Wayne. (February 2016 - Present).

Conference Attendance, "IPFW Teaching Conference.," Purdue University Fort Wayne. (October 2015 - Present).

Workshop, "Stem Communication Fellow. Portal to the Public. Science Central. Fort Wayne.," Science Central. Fort Wayne. (September 2015 - Present).

Conference Attendance, "IPFW Teaching Conference.," Purdue University Fort Wayne. (February 2015 - Present).

Conference Attendance, "Teaching Conference "Learning to Risk, Risking to Learn: Innovation and Research in the Classroom." IPFW.," Purdue University Fort Wayne. (October 2014 - Present).

Workshop, "Certificate of Achievement Roundtable.," Purdue University Fort Wayne. (October 2014 - Present).

Workshop, "Creating Rubrics Webinar Re-Visioning Course Design Seminar.," Purdue University Fort Wayne. (September 2014 - Present).

Workshop, "Lecturing with the Learner in Mind Webinar.," Purdue University Fort Wayne. (September 2014 - Present).

Workshop, "iPad Training Session for VCD.," Purdue University Fort Wayne. (March 2014 - Present).

Conference Attendance, "Teaching Conference. "Practical Strategies for Integrating Critical Thinking Skills into Content Courses."." (February 2014 - Present).

Seminar, "Training sessions of creating accessibility documents, and Content Management System training (.CMS) Indiana University-Purdue University.," Indiana University-Purdue University. Fort Wayne. (September 2012 - Present).

Workshop, "Much Ado About MOOCs: Disruptive innovation or passing fad?" Purdue University Fort Wayne. (September 2012 - Present).

Workshop, "SoTL 10 (Scholarship of Teaching and Learning). CELT.," Purdue University Fort Wayne. (September 2012 - Present).

Workshop, "Faculty member of the IPFW Project #mobileEDU cohort (iPad project). Indiana University-Purdue University. Fort Wayne.," Indiana University-Purdue University. Fort Wayne. (September 2011 - Present).

Workshop, "Training sessions of creating accessibility documents, and Content Management System training (.CMS) Indiana University-Purdue University. Fort.," Indiana University-Purdue University. Fort Wayne. (September 2011 - Present).

Workshop, "Training sessions of creating accessibility documents, and Content Management System training (.CMS) Indiana University-Purdue University. Fort Wayne.," Indiana University-Purdue University. Fort Wayne. (September 2011 - Present).

Seminar, "Apple presentation about the impact and prospective development of mobile technology in Education," Indiana University-Purdue University. Fort Wayne. (July 2011 - Present).

Workshop, "Promotion and Tenure workshop.," Purdue University Fort Wayne. (April 2011 - Present).

## **University Service**

Member. University Resources Policy Committee (2023 present)

Member. University General Education Subcommittee. (2023 present)

Member. University Educational Policies Committee. (2022 present)

Advisor-member, Faculty Mentor of the student's workers at the newly created Digital Arts and Humanities Lab. (January 2020 - December 2021).

Member, VPA College Curriculum Committee. (January 2020 - August 2021).

Member, Faculty Review Committee. (August 2019 - August 2021).

Member, Foundations Committee. (January 2019 - August 2021).

Member, Website Committee. (January 2019 - August 2021).

Member, University budget committee. (August 2018 - August 2021).

Member, Faculty Affairs Committee. (January 2017 - August 2021).

Advisor, Board Member of the Advisory Committee of the Student Symposium. PFW. (January 2014 - August 2021).

Member, VCD Facebook fan page development. (January 2014 - August 2021).

Member, committee for the Assistant Professor of Graphic Design position. Art and Design Department. (August 2020 - January 2021).

Member, University Resources Policy Committee (URPC.). (August 2017 - August 2019).

Member, Curriculum Review Subcommittee. (January 2018 - August 2018).

Advisor, IRSC (Institute for Research, Scholarship, and Creative Endeavor) Advisory Committee. (August 2017 - January 2018).

Coordinator, Coordinator of the TV display. Department of Visual Communication and Design. (August 2013 - December 2017).

Chair, Faculty leader of the Scholarly Teaching Team of The Alliance for Teaching. IPFW. (January 2017 - August 2017).

Member, Reunification Committee of the Department of Visual Communication and Design and the Fine Arts Department. (August 2016 - May 2017).

Member, SASI committee (Science and Society at IPFW). (August 2016 - December 2016).

Advisor, Three Minutes Thesis Competition. (January 2016 - December 2016).

Advisor, "Three Brain Competition Contest.". (January 2016 - December 2016).

Member, "The Alliance for Teaching Enrichment." Member of the Outreach Subcommittee. (January 2016 - December 2016).

Chair, Faculty Affairs Committee Chair. Department of Visual Communication and Design. IPFW. (August 2015 - December 2016).

Coordinator, Coordinator, and consultant of The Community professional Advisory Committee. Department of Visual Communication and Design. (August 2015 - December 2016).

Advisor, Animation Club Advisor. Department of Visual Communication and Design. (January 2015 - December 2016).

Chair, Computing and Information Technology sub- committee. (January 2016 - August 2016).

Member, VCD Web site. VPA. (August 2012 - August 2016).

Advisor- coordinator, multimedia animation projects "IPFW's Christmas Card. Office of the Chancellor.". (August 2015 - December 2015).

Chair, Search Committee Chair for the Continuing Lecturer in Video, and Intermedia position. Department of Visual Communication and Design. (January 2015 - August 2015).

Member, Program #DonDifference. (January 2015 - August 2015).

Member, Assistant Professor of Graphic Design position. Department of Visual Communication and Design. IPFW. (January 2014 - May 2014).

Member, Information Technology Director (CEO) position at IPFW. (January 2014 - May 2014).

Member, Departmental Accreditation Steering Committee. NASAD. (August 2012 - August 2013).

Member, University Senate Executive Committee. (August 2012 - August 2013).

Member, University Senate Faculty Affairs Committee. (August 2012 - August 2013).

Member, Visual and Performing Arts College Faculty Affairs Committee. (August 2012 - August 2013).

Coordinator, Coordinator of the Campus Visit Day display. IPFW. Department of Visual Communication and Design. (January 2012 - January 2013).

Advisor, Student Orientation Advisor (SOAR). (May 2012 - August 2012).

Coordinator, Modeling and Animation Coordinator Area. Department of Visual Communication and Design. (August 2010 - August 2012).

Acting Chair, Department of Visual Communication and Design acting Chair 2011. (May 2012 - July 2012).

Coordinator, Academic agreement between IPFW, and UPLA. Chile. (April 2011 - August 2011).

### **Professional Service**

Reviewer /Referee, IGI Global publishing. Peer reviewer. (Fall 2022).

Reviewer/Referee, University of Southern Alabama. External reviewer for Assistant Professor Carl Jahnke's Promotions and Tenure case, Mobile, AL. (September 2021).

Animator professional expert and consultant, International Society of Animation Studies. Animation professional expert. SAS., Canterbury. (August 2015 - August 2021).

Conference-Related, Science Central application to the Indiana Arts Commission Arts Project Support Grant., Fort Wayne, IN. (January 2020 - March 2020).

Program Coordinator, Three Rivers Festival International Village. Fort Wayne., Fort Wayne, IN. (July 2018 - July 2019).

Reviewer/Referee, International Digital Media, and Arts association. Per review editor. iDMaa., Chicago, IL. (January 2015 - December 2016).

Editor, Catalog presentation exhibition of artist Roberto Cardenas, Stockholm. Sweden., Stockholm. (July 2011 - August 2011).

Reviewer/Referee, Common Ground Publishers. University of Illinois Champaign, USA., Champaign, IL. (January 2011 - May 2011).

### **Public Service**

Guest Speaker, Taste of The Arts that takes place every August at downtown Fort Wayne., Fort Wayne, IN. (August 2016 - August 2021).

Volunteer, for Carroll High School and Warsaw High School., Fort Wayne, IN. (January 2018 - August 2020).

Participant, YMCA Fort Wayne., Fort Wayne, IN. (December 2018).

Member, Hispanic Higher Education Fair Committee. Fort Wayne., Fort Wayne, IN. (September 2017 - August 2017).

Guest Speaker, Cinema Center. Fort Wayne., Fort Wayne, IN. (October 2016).

Guest Speaker, The Ark Trust of Fort Wayne. Indiana., Fort Wayne, IN. (October 2016).

Guest Speaker, Science Central. Fort Wayne., Fort Wayne, IN. (September 2016).

Guest Speaker, Taste of The Arts Festival. Fort Wayne., Fort Wayne, IN. (September 2016).

Board Member, City of Fort Wayne Community Engagement Board Committee., Fort Wayne, IN. (August 2016 - May 2016).

Guest Speaker, "Lunch with a Scientist", Fort Wayne, IN. (March 2015 - May 2015).

Participant, Bishop Dwenger High School. Fort Wayne., Fort Wayne, IN. (October 2011).