

## CURRICULLUM VITAE

### Kyoung Lee Swearingen

#### **Educational History:**

- M.F.A., May 2004, The Ohio State University, Department of Art, Art & Technology
- B.F.A, March 2001, Savannah College of Art and Design, Computer Art
- B.S., February 1995, Sungshin Women's University, College of Natural Science, Chemistry

#### **Employment History:**

- Assistant Professor, Aug 2016- Present, Department of Design, The Ohio State University
- Assistant Professor, Aug 2013- Aug 2016, School of Arts, Technology, and Emerging Communication, The University of Texas at Dallas
- Lighting Technical Director, July 2006- August 2013, Pixar Animation Studios
- Lighting Artist, January 2005- July 2006, DNA Productions

#### **Teaching:**

- ACCAD 5001, Animation Techniques and Practices
- ACCAD 5002, 3D Computer Animation I
- ACCAD 5003, 3D Computer Animation II
- ACCAD 6651, Digital and Physical Lighting
- MVNPRD 4501 and 4502, Senior Film Project 1 & 2
- ACCAD 7504 Animation Production
- DESIGN 4400 Design Media 3
- DESIGN 2330 Visual Principles and Techniques III

#### **Achievements in original investigation:**

##### Games and Film:

1. *Circle, Collaborative Gaming Platform for Children with Disabilities and their Families.*  
Kyoung Swearingen, Scott Swearingen, Dr. Susan Thrane, Dr. Asimina Kiourti, April 2018- current
2. *Sonder, Short Animated Film.*  
Soba Studios, May 2018
3. *The Woods, Cooperative AR game.*  
Kyoung Swearingen, Scott Swearingen, Dr. Marc Ainger, Dr. Federico Cámara Halac, Sruthi Ammannagari, Matt Hall, Leigh Loomis, September 2017- current
4. *Wall Mounted Level, Cooperative Game using Projection Mapping and Touch.*  
Kyoung Swearingen, Scott Swearingen, November 2017
5. *Beacon. Virtual Environment using 3D printing and photogrammetry*  
Kyoung Swearingen, Scott Swearingen, December 2016
6. *Toy Story of Terror. 22 minutes TV short for ABC channel.*  
Pixar Animation Studios, October 2013.

7. *Monsters University*. Feature Film.  
Pixar Animation Studios, June 2013.
8. *The Blue Umbrella*. Short Film.  
Pixar Animation Studios, June 2013.
9. *Brave*. Feature Film.  
Pixar Animation Studios, June 2012.
10. *Cars2*. Feature Film.  
Pixar Animation Studios, June 2011.
11. *La Luna*. Short Film.  
Pixar Animation Studios, June 2011.
12. *Mater's Tall Tales- Tokyo Mater*. Short Film.  
Pixar Animation Studios, March 2010.
13. *Mater's Tall Tales- Monster Truck Mater*. Short Film.  
Pixar Animation Studios, July 2010.
14. *Mater's Tall Tales- Heavy Metal Mater*. Short Film.  
Pixar Animation, July 2010.
15. *Toy Story 3*. Feature Film.  
Pixar Animation Studios, June 2010.
16. *Mater's Tall Tales- Unidentified Flying Mater*. Short Film.  
Pixar Animation Studios, November 2009.
17. *Partly Cloudy*. Short Film.  
Pixar Animation Studios, May 2009.
18. *Up*. Feature Film.  
Pixar Animation Studios, May 2009.
19. *WALL-E*. Feature Film.  
Pixar Animation Studios, June 2008.
20. *Presto*. Short Film.  
Pixar Animation Studios, June 2008.
21. *Ratatouille*. Feature Film.  
Pixar Animation Studios, June 2007.
22. *The Ant Bully*. Feature Film.  
DNA Productions, Warner Bros. Pictures, July 2006.
23. *The Jimmy Timmy Power Hour 2: When Nerds Collide* (TV Movie).  
DNA Productions, Nickelodeon Network, January 2006.

#### **Publications:**

- Kyoung Lee Swearingen, Scott Swearingen, Fede Camara Halac, Matthew Hall, and Sruthi Ammannagari. "*The Woods: A Mixed-Reality Two-Player Cooperative Game*", Art Papers, SIGGRAPH 2021, Pending publishing to Computer Graphics and Interactive Techniques (PACMCGIT) Special issue on SIGGRAPH 2021 Art Papers and ACM Digital Library, August 9-13, 2021.
- Scott Swearingen and Kyoung Lee Swearingen. "*The Woods: A Mixed-Reality Multiplayer Cooperative Game*", HCI International 2021, volume 29, LNCS 12790, ISBN [978-3-030-77413-4](https://doi.org/10.1007/978-3-030-77413-4), July 24-29, 2021.

- Kyoung Lee Swearingen and Scott Swearingen. “*Designing a Cooperative Mixed-Reality Game about Reconciliation*”, 2018 IEEE Games, Entertainment, Media Conference (GEM), 2018, pp 1-9, DOI: [10.1109/GEM.2018.8516538](https://doi.org/10.1109/GEM.2018.8516538)
- Kyoung Lee Swearingen and Scott Swearingen. “*Designing ‘Wall Mounted Level’ – A Cooperative Mixed-Reality Game about Reconciliation*”, In: Clua E., Roque L., Lugmayr A., Tuomi P. (eds) Entertainment Computing – ICEC 2018. ICEC 2018. Lecture Notes in Computer Science, vol 11112. pp 284-288, Springer, Cham. [https://doi.org/10.1007/978-3-319-99426-0\\_30](https://doi.org/10.1007/978-3-319-99426-0_30)
- Kyoung Lee Swearingen and Scott Swearingen. “*Wall Mounted Level: A Cooperative Mixed Reality Game about Reconciliation*”, SIGGRAPH ’18: ACM SIGGRAPH 2018 Posters, Article No.:20, Pages 1-2, DOI: <https://dl.acm.org/doi/10.1145/3230744.3230771>
- Kyoung Lee Swearingen and Scott Swearingen. “*Games and Storytelling for Design Foundations*”, the 34th National Conference on the Beginning Design Student, (NCBDS), Vol 34 No. 1 (2018), Sept 26, 2018, <https://journals.uc.edu/index.php/ncbds/article/view/787>

#### Exabits:

- Kyoung Lee Swearingen and Scott Swearingen. *The Woods*, Center for Contemporary Arts, Curated by Mariannah Amster and Frank Ragano from CURRENTS New Media, Santa Fe, New Mexico, June 18-24, 2021
- Kyoung Lee Swearingen and Scott Swearingen. *Wall Mounted Level*, ‘East | West Gallery’, Curated by Danielle Avram, North Texas Digital Fabrication Symposium, Texas Women’s University, Denton, TX, April 20-21, 2018
- Kyoung Lee Swearingen and Scott Swearingen. “*Wall Mounted Level v.3*”, Game, CUNY Games Conference 4.0, City University of New York, New York City, NY, January 22, 2018
- Kyoung Lee Swearingen and Scott Swearingen. “*Wall Mounted Level v.2*”, Game, MEGA-MTL Montreal Expo Gaming Arcade, Montreal Independent Games Festival, November 18-19, 2017
- Kyoung Lee Swearingen and Scott Swearingen. “*Wall Mounted Level v.1*”, Game, HASTAC 2017, Orlando, FL, November 2-4, 2017
- Kyoung Lee Swearingen and Scott Swearingen. “*Beacon*”, Video and Sculpture. Research Through Making. Urban Arts Space, Columbus, Ohio. August 23 – September 24, 2016.

#### Invited Talks/Presentations/Workshop:

- Kyoung Lee Swearingen and Scott Swearingen. “*The Woods: Cooperative Augmented Reality Game*”
  - Sixteenth International Conference on the Arts in Society (Virtual), The University of Western Australia, School of Design Perth, Australia, Jun 15 - 18, 2021

- Fifteenth International Conference on Design Principles & Practices (Virtual), Universidad de Monterrey, Mexico, March 3-5, 2021
- Technarte 2020 (Virtual), November 12-13, 2020
- Kyoung Lee Swearingen and Scott Swearingen. *"The Woods"*, College Arts Association, CAA 2021 Annual Conference (Virtual), Feb 10-13, 2021
- Kyoung Lee Swearingen and Scott Swearingen. *"The Woods: A Local Cooperative AR Game"*, Fifteenth International Conference on The Arts in Society, National University of Ireland Galway, Galway, Ireland, Jun 24-26, 2020 (was accepted but unable to present due to COVID-19)
- Kyoung Lee Swearingen, Scott Swearingen, Asimina Kiourti, Susan Thrane. *"Circle: A Collaborative Gaming Platform for Disabled Children"*, [Healthcare Innovation and Entrepreneurship Workshop](#), The Ohio State University, September 23, 2019
- Kyoung Lee Swearingen and Scott Swearingen. *"Designing Cooperative Mixed Reality Game about Reconciliation"*, IEEE-GEM 2018, Galway, Ireland, August 16<sup>th</sup>, 2018
- Kyoung Lee Swearingen and Scott Swearingen. *"Wall Mounted Level"*
  - ACM SIGGRAPH, Vancouver, BC, Canada, August 12-16, 2018
  - [IFIP-ICEC 2018](#), Poznan, Poland, September 17, 2018
  - CUNY Games Conference 4.0, City University of New York, New York City, January 2018, NY
- Kyoung Lee Swearingen, Scott Swearingen, Nick Bontrager, Jeff Donaldson, Dickie Cox, Niki Selkin, and Scott Cook, *Panel Topic: "Adaptation & Play"*, 2018 North Texas Digital Fabrication Symposium, Texas Women's University, Denton, TX, April 21, 2018
- Kyoung Lee Swearingen and Scott Swearingen. *"Games and Storytelling for Design Foundations"*
  - 2018 National Conference on the Beginning Design Student, University of Cincinnati, Cincinnati, OH, March 1-3, 2018
  - CUNY Games Conference 4.0, City University of New York, New York City, January 2018, NY
- Kyoung Lee Swearingen and Scott Swearingen. *"Creating Games with 3D Printing, Photogrammetry and Projection Mapping Techniques"*, GlitchCon, Minneapolis, MN, May 5, 2017
- Kyoung Lee Swearingen and Scott Swearingen. *"Creating Virtual Environments with 3D Printing and Photogrammetry"*, SIGGRAPH ASIA 2016, Macau, China, December 5, 2016

## Awards:

- *Wall- Mounted Level*, Special recognition: Poster and Demo, IFIP-ICEC 2018, Poznan, Poland, August 16, 2018
- *Sonder*, California Independent Film Festival, Moraga, CA August 24- September 1, 2018
- *Sonder*, Bucheon International Animation Festival, Bucheon, Korea October 19-23, 2018
- *Sonder*, Spark Animation Film Festival, Vancouver, Canada October 25-28
- *Sonder*, Edinburgh Short Film Festival, Edinburgh, Scotland October 26-November 10, 2018
- *Sonder*, Short Sounds Film Festival, Bournemouth, UK November 1-2, 2018
- *Sonder*, Foyle Film Festival, Derry, Northern Ireland November 16-25, 2018
- *Sonder*, Anchorage International Film Festival Anchorage, Alaska, November 30-December 9, 2018
- *Wall- Mounted Level*, Best Innovative game award, Montreal Independent Games Festival, 11/19/2017
- *Wall- Mounted Level*, Best Social Impact game award, Montreal Independent Games Festival, 11/19/2017
- *The Blue Umbrella*, Opening Premier at Berlin Film Festival, Pixar Animation Studios, June 2013.
- *La Luna*, Annecy International Animated Film Festival, Pixar Animation Studios, June 2011.
- *Toy Story 3*, Academy Award, Best Animated Feature, Pixar Animation Studios, June 2010.
- *Up*, Cannes Film Festival, Pixar Animation Studios, May 2009.
- *Up*, Academy Award, Best Animated Feature, Pixar Animation Studios, May 2009.
- *Up*, BAFTA, Animated Film, Pixar Animation Studios, May 2009.
- *Up*, BSFC Award, Animation, Pixar Animation Studios, May 2009.
- *WALL-E*, Academy Award, Best Animated Feature, Pixar Animation Studios, June 2008.
- *WALL-E*, BAFTA, Animated Film, Pixar Animation Studios, June 2008.
- *WALL-E*, Hollywood Award, Animation of the Year, Pixar Animation Studios, June 2008.
- *Ratatouille*, Academy Award, Best Animated Feature, Pixar Animation Studios, June 2007.
- *Ratatouille*, Broadcast Film Critics Association, Best Animated Feature, Pixar Animation Studios, June 2007.
- *Ratatouille*, American Film Institute, AFI Movies of the Year, Pixar Animation Studios, June 2007.

## Inventions and Patents:

- Kyoung Lee Swearingen, Scott Swearingen, Susan Thrane, Asimina Kiourti, Title: *Systems for Collaborative Interaction Using Wearable Technology*, Provisional Patent, U. S. Patent and Trademark Office (USPTO), Reference: 10336-518PV1, Feb 3, 2021

## Grants:

- The Woods
  - September 2020- May 2022
  - Co-PIs: Kyoung Lee Swearingen, Assistant Professor, Department of Design; Scott Swearingen, Assistant Professor, Department of Design; Dr. Marc Ainger, School of Music
  - Other Collaborators: Dr. Fede Camara Halac, Matthew Hall, and Sruthi Ammannagari
  - I serve as a team leader, and my main intellectual contribution is narrative and aesthetic design for the project.
  - Global Arts + Humanities Discovery Theme, Arts Creation Grants Special Initiatives, funding extension

- \$15,682.00
- A Collaborative Digital Gaming Platform for Children with Disabilities Using Human-Centered Technology and Touch
  - June 2020 – June 2022
  - Co-PIs: Kyoung Lee Swearingen, Assistant Professor, Department of Design; Scott Swearingen, Assistant Professor, Department of Design; Dr. Susan Thrane, Assistant Professor, College of Nursing; Dr. Asimina Kiourti, Assistant Professor, College of Engineering
  - My main intellectual contribution is narrative and aesthetic design for the project and supervise the student workers.
  - Battelle Engineering, Technology and Human Affairs (BETHA) Grant
  - \$33,794.00
- A Collaborative Gaming Platform for Disabled Children and Their Families
  - December 2019 -December 2020
  - Co-PIs: Kyoung Lee Swearingen, Assistant Professor, Department of Design; Scott Swearingen, Assistant Professor, Department of Design; Dr. Susan Thrane, Assistant Professor, College of Nursing; Dr. Asimina Kiourti, Assistant Professor, College of Engineering
  - My main intellectual contribution is narrative and aesthetic design for the project and supervise the student workers.
  - Global Arts + Humanities Discovery Theme, Open Grant
  - \$35,000.00
- The Woods
  - April 2019 -
  - Co-PIs: Kyoung Lee Swearingen, Assistant Professor, Department of Design; Scott Swearingen, Assistant Professor, Department of Design; Dr. Marc Ainger, School of Music
  - Other Collaborators: Rosalie Yu, Creative Technologist, Columbia Graduate School of Journalism; Skylar Wurster, Undergraduate Student Researcher, College of Engineering
  - I serve as a team leader, and my main intellectual contribution is narrative and aesthetic design for the project.
  - Global Arts + Humanities Discovery Theme, Arts Creation Grants Special Initiatives
  - \$50,000.00
- Circle: A Game for Physically and Cognitively Delayed Children
  - April 2018, October 2018, February 2019, April 2019
  - Co-PIs: Kyoung Lee Swearingen, Assistant Professor, Department of Design; Scott Swearingen, Assistant Professor, Department of Design; Dr. Susan Thrane, Assistant Professor, College of Nursing
  - My main intellectual contribution is narrative and aesthetic design for the project and supervise the student worker.
  - The Innovation Studio, College of Nursing, The Ohio State University
  - \$3,500.00 in total through 4 funding cycles
- Multimodal Strategies for Visual Storytelling in VR

- April 2018
- Co-PIs: Kyoung Lee Swearingen, Assistant Professor, Department of Design; Scott Swearingen, Assistant Professor, Department of Design; McArthur Freeman, Assistant Professor of Video, Animation, and Digital Arts, School of Art and Art History, College of the Arts, University of South Florida
- My main intellectual contribution is narrative and aesthetic design for the project.
- Nexus Grant, University of South Florida
- \$7,500.00