

# Jacob Fortman

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jacobfortman.com

## EDUCATION

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### **Michigan State University (In Progress)**

PhD in Higher, Adult, and Lifelong Education  
Expected graduation: Winter 2029  
Advisor: Dr. Riyad Shahjahan

### **University of Michigan, 2019**

MA in Education: New Media and New Literacies  
Advisor: Dr. Annemarie Palincsar

### **Michigan State University, 2017**

BA in Music Education  
Teacher certification in K-12 Music Education

### **Grand Rapids Community College, 2013**

59 credits in music and computer programming

## PROFESSIONAL EXPERIENCE

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2022 – 2024	<b>Grand Valley State University, Allendale, MI</b> <i>Emerging Technology Research Analyst</i>
2021 – 2022	<b>University of Michigan, Ann Arbor, MI</b> <i>Learning Experience Designer and Graduate Certificate Coordinator</i>
2019 – 2021	<b>University of Michigan, Ann Arbor, MI</b> <i>Learning Experience Design Certificate Coordinator</i>
2016 - 2017	<b>Community Music School, East Lansing, MI</b> <i>Pre-Kindergarten Music Instructor</i>

## HONORS AND AWARDS

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2024	Michigan State University Distinguished Fellowship
2024	Michigan State University Top Recruit Scholarship
2018	University of Michigan Institute for Social Change Scholar
2017	University of Michigan Education Graduate Fellowship
2017	Michigan State University Urban Education Fellowship
2016	Michigan State University Music Technology Scholarship
2011-12	Grand Rapids Community College Crescendo Music Scholarship

## EDITORIAL EXPERIENCE

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2023	<b>International Journal of Computer Supported Collaborative Learning</b>
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Guest Editor, *Fostering collaborative and embodied learning with extended reality*.

2022

**Journal of Applied Instructional Design**

Guest Editor, *Rethinking multimedia design for learning: Contemporary and emerging approaches*

## PUBLICATIONS

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### **Peer-reviewed Journal Articles**

**Fortman, J.**, Quintana, R.M., Aguinaga, J. (2023). Conceptions of time in educational technology: Considerations for equity-focused design. *Online Learning Journal*, 27(4), 201-219. <https://doi.org/10.24059/olj.v27i4.4056>

**Fortman, J.**, Quintana, R.M. (2023). Fostering collaborative and embodied learning with extended reality: Special issue introduction. *International Journal of Computer Supported Collaborative Learning*, 18(2), 145-152. <https://doi.org/10.1007/s11412-023-09404-1>.

**Fortman, J.** (2023). Neoliberalism and the rise of online proctoring. *Journal of Interactive Technology and Pedagogy*, 22.

Lachheb, A., Quintana, R.M., Quintana, C., **Fortman, J.** (2022). Rethinking multimedia design for learning: Introduction to the special issue. *Journal of Applied Instructional Design*, 11(4). <https://doi.org/10.51869/114/lqqf224>.

### **Book Chapters**

Lachheb, A., **Fortman, J.**, Abramenska-Lachheb, V., Arashiro, P., Le, R.N., Najafi, H. (2023). Formative learning design in the COVID-19 pandemic: Analysis, synthesis, and critique of learning design and delivery practices. In: Hokanson, B., Schmidt, M., Exter, M.E., Tawfik, A.A., Earnshaw, Y. (eds). *Formative design in learning: Design thinking, growth mindset, and community. Educational communications and technology: Issues and Innovations*. Springer. [https://doi.org/10.1007/978-3-031-41950-8\\_8](https://doi.org/10.1007/978-3-031-41950-8_8)

Quintana, R.M., **Fortman, J.**, & DeVaney, J. (2021). Advancing an approach of resilient design for learning by designing for extensibility, flexibility, and redundancy. In C. Gonzalez, T. Thurston, and K. Lundstrom (Eds.), *Resilient Pedagogy: Practical Teaching Strategies to Overcome Distance, Disruption, and Distraction* (pp. 77-92). Utah State University. <https://dx.doi.org/10.26079/a516-fb24>

### **Papers in Peer-reviewed Conference Proceedings**

**Fortman, J.**, Quintana, R. M. (2022). Emotion as a condition and target of learning design during emergency remote teaching. In C. Chinn, E. Tan, C. Chan, & Y. Kali. (Eds.), *Proceedings of the 17<sup>th</sup> International Conference of the Learning Sciences (ICLS)* (pp. 2152-2153). International Society of the Learning Sciences.

<https://repository.isls.org/handle/1/8761>

Quintana, R. M. & **Fortman, J.** (2020). Exploring the experience of students who take on alternative viewpoints within a role-based simulation. In M. Gresalfi and I. S. Horn (Eds.), *The Interdisciplinarity of the Learning Sciences, Proceedings of the 14th International Conference of the Learning Sciences (ICLS) 2020*, Volume 1. (pp. 286-293). International Society of the Learning Sciences.  
<https://repository.isls.org/handle/1/6649>

Quintana, R. M., Quintana, C., **Fortman, J.**, & Gerber, E. R. (2020). ViewPoint: Student experiences with technology supporting role-based educational simulations. *Extended Abstracts of the 2020 CHI Conference on Human Factors in Computing Systems (CHI)*, (pp. 1-7). <https://doi.org/10.1145/3334480.3383086>

Chandler, C., Kessler, A., **Fortman, J.** (2020). Language Matters: Exploring the Use of Figurative Language at ICICLE 2019. In S. Blake-Plock, J. Goodell, D. Kurzweil, A. Kessler, & J. Olsen (Eds.), *Proceedings of the 2019 Conference on Learning Engineering* (pp. 16 – 26).

## **CONFERENCE PRESENTATIONS**

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### ***Unpublished Peer-reviewed Papers***

**Fortman, J.** (April 2024). Situating Authenticity in Student Reflections of Educational Virtual Reality. Paper accepted for presentation at the Annual Meeting for the American Educational Research Association (AERA).

Quintana, R.M., **Fortman, J.**, Cradit, N. (April 2023). Dimensions of Space and Time in a Massive Open Online Course Platform: Considerations for Equity-focused Design. Paper accepted for presentation at the Annual Meeting for the American Educational Research Association (AERA).

Quintana, R.M., **Fortman, J.**, Oldenberg-McGee, C. (October 2022). Pedagogical Designs for Extended Reality Environments: Supporting Immersive Learning and Equitable Access. Paper accepted for presentation at the Annual Convention for the Association for Educational Communications and Technology (AECT).

Quintana, R.M., **Fortman, J.**, Oldenberg-McGee, C. (April 2022). Dwelling in and stepping out: Reflecting on pedagogical designs to support learning in immersive XR environments. Paper accepted for presentation at the Annual Meeting for the American Educational Research Association (AERA).

**Fortman, J.**, Quintana, R. M., Chandler, C. B., Tan, Y. (April 2021). Becoming a professional learning designer: Modeling concept relations in a playable case study. Paper accepted for presentation at the Annual Meeting of the American Educational Research Association (AERA).

Chandler, C.B., Quintana, R., **Fortman, J.** (April 2021). Playing the case: A self-study of the implementation of an online, asynchronous professional learning experience design simulation. Paper submitted to the Annual Meeting of the American Educational Research Association (AERA).

## CONFERENCE ORGANIZATION

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2022 American Educational Research Association (AERA). Session Organizer for Technologies for Situated, Grounded, Embodied Learning: The Unique Role of Extended Reality Experiences Structured Poster Session.

## PRACTITIONER PRESENTATIONS AND WORKSHOPS

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*American Association for Paralegal Education 2024.* "Taking Students to (Virtual) Court: Bringing VR to Legal Education." Co-presenter with Courtney Topic, Adrian Copeland, and Joshua Sheffer. October 2024. In-person.

*Stanford x HAIL Digital Learning Summit 2024.* "Scaling VR Education at GVSU." March 2024. Lead presenter with Courtney Topic, Hunter Bridwell, and Ruth Yeboah. In-person.

*EDUCAUSE 2023.* "VR Learning Design Compendium: Design Artifacts to Inspire VR Education." October 2023. In-person.

*EDUCAUSE 2023.* "Leveraging Innovation and Research in pioneering the future of Education through an Era of Complexity." Co-presenter with Eric Kunnen and Hunter Bridwell. October 2023. In-person.

*Educational Technology Organization of Michigan 2023.* "Extended Reality Powers Immersive Learning Experiences at NMC at GVSU." Co-presenter with Eric Kunnen, Ty Rizer, Terri Gustafson, and Eric Carlson. June 2023. In-person.

*Educational Technology Organization of Michigan 2022.* "Rethinking Student Engagement with Emerging Technology." Co-presenter with Kelley Senkowski and Hunter Bridwell. October, 2022. In-person.

*Online and Hybrid Program's Community of Practice LXD Forum 2021.* "Using Case Studies to Engage Learners." Co-presenter with Lyndsay Wing and Jacob Aguinaga. March, 2022. Virtual.

*Ready to Go Blue Teaching Workshop 2020.* "Using Social Annotation Tools." Co-presenter with Rebecca Quintana. July 2020. Virtual.

*Ready to Go Blue Teaching Workshop 2020.* "Resilient Design for Learning." Co-presenter with Rebecca Quintana. July 2020. Virtual.

*Gameful Learning Summer Institute 2019.* "Simulations: By Students, For Students." Co-presenter with Raven Knudsen and Jonathan Sohn. July 2019. Ann Arbor, MI.

*Institute for Social Change 2018 Public Scholarship Symposium.* "Preserving the legacy of Cass Corridor Commons." Co-presenter with Mekarem Eljamal, Laura-Ann Jacobs, Cecilia Morales. May 2018. Ann Arbor, MI.

*Professional Learning Conference.* "Using Social Annotation to Support a Large Lecture Class." April 2018. Ann Arbor, MI.

## UNIVERSITY TEACHING EXPERIENCE

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- 2022            **UNIVERSITY OF MICHIGAN, School of Education**  
*Instructor for EDUC 616: "Learning Experience Design" (graduate)*
- 2021 - 22      **UNIVERSITY OF MICHIGAN, School of Education**  
*Instructional Support for EDUC 618: "Educational Applications of Augmented and Virtual Reality" (graduate)*
- 2019            **UNIVERSITY OF MICHIGAN, School of Education**  
*Teaching Assistant for EDUC 552: "Instructional Leadership for Schools" (graduate)*
- 2019            **UNIVERSITY OF MICHIGAN, School of Education**  
*Teaching Intern for EDUC 333: "Video Games for Learning" (undergraduate) and EDUC 602: "Video Games, Learning, and School Design" (graduate)*