

Erica Babb

Luddy School of Informatics, Computing, and Engineering, Indiana University (IU) Indianapolis

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EDUCATION

Ph.D., Health and Biomedical Informatics <i>IU Indianapolis</i>	Aug 2024 – Present
M.S., Human Computer Interaction <i>IU Indianapolis</i>	Aug 2022 – May 2024
B.S., Media Arts and Science with Biology minor <i>IU Indianapolis</i>	Aug 2020 – Aug 2023

PROFESSIONAL EXPERIENCE

Graduate Research Assistant <i>IU Indianapolis</i>	Feb 2024 – Present
UX Design Intern <i>Parkview Health</i>	Jun 2022 – Aug 2023
Pharmacy Technician <i>Skilled Care Pharmacy</i>	Apr 2022 – Jun 2022

PUBLICATIONS

Conference Proceedings

- (Under Review) **E. Babb**, C. D. Lee, M. Jasim, and H.-T. Jung, “Balancing support and cognitive work: Cue diegesis in virtual reality for everyday activity practice for people with dementia,” in *Proceedings of the 2027 CHI Conference on Human Factors in Computing Systems (CHI)*, 2027.
- (Under Review) J. Liu, **E. Babb**, M. Jasim, S. Brunes, P. Altenburger, and H.-T. Jung, “From therapeutic goals to virtual reality: Designing fully immersive VR for functional mobility rehabilitation after acquired brain injury,” in *Proceedings of the 2027 CHI Conference on Human Factors in Computing Systems (CHI)*, 2027.
- **E. Babb**, C. D. Lee, M. Jasim, and H.-T. Jung, “Defining reality in dementia VR: Stakeholder perspectives on ecological validity for functional activity training,” in *Proceedings of the 2026 CHI Conference on Human Factors in Computing Systems (CHI)*, 2026.
- E. J. Paek, H. Park, H. Kim, S. O. Yoon, E. Lee, **E. Babb**, L. Drane, and H.-T. Jung, “Virtual reality in dementia and mild cognitive impairment: Insights from current research,” in *Proceedings of the Clinical Aphasiology Conference (CAC)*, 2025.

AWARDS AND CERTIFICATIONS

Awards

- Dean’s List Fall 2019 – Present

Certifications

- CITI Social and Behavioral Responsible Conduct of Research 2023

- CITI Social/Behavioral Researchers 2023
- Butler University: Full-Stack Web Development 2022

ACADEMIC SERVICE

Reviewer

<i>ACMI Conference on Human Factors in Computing Systems (CHI)</i>	2026 – 2027
<i>SIGGRAPH Asia Emerging Technologies</i>	2027
<i>IEEE Engineering in Medicine and Biology Society (EMBC)</i>	2025