Curriculum Vitae

Marie Sakowicz

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EDUCATIONAL QUALIFICATIONS

2024 Master of Science, Human-Centered Computing, University of Maryland, Baltimore County
2005 Master of Education, Educational Technology, Northern Arizona University
2001 Bachelor of Science, Management of Computer Information Systems, Park University
2000 Associates, Hospital Administration, Community College of the Air Force

RESEARCH INTERESTS

- AI in Education
- Special Education Technology
- Assistive Technology
- Universal Design for Learning
- Human-Computer Interaction
- Accessible Computing

PROFESSIONAL EXPERIENCE

2006 – Current Information Technology Program Manager, Defense Information Systems Agency (DISA), Ft. Meade, MD, Information Technology Program Manager

PRESENTATIONS

[PR1] Presenter, “Generative AI Adoption in Special Education.” N-SEA 2025: National Symposium for Equitable AI 2025, Baltimore, MD. April 2025.

HONORS AND AWARDS

[DC1] Selected Participant, RESPECT 2025 Doctoral Consortium, Newark, NJ. July 2025.

PUBLICATIONS

[P1] Erin Higgins, Marie E Sakowicz, and Foad Hamidi. 2024. An Ecosystem of Support: A U.S. State Government-Supported DIY-AT Program for Residents with Disabilities. In Proceedings of the 26th International ACM SIGACCESS Conference on Computers and Accessibility (ASSETS '24). Association for Computing Machinery, New York, NY, USA, Article 52, 1–16. https://doi.org/10.1145/3663548.3675667

Submitted and under review

[P2] Lujie Karen Chen, LeaAnne Daughrity, Marie Sakowicz, Foad Hamidi, Karrie Godwin, and Lin Lin Lipsmeyer. 2025. ABii at School: Findings from a Long-Term In-School Field Study with a Commercial Robot-Assisted Learning System. Submitted for possible publication in Educational Technology Research and Development.

[P3] Marie Sakowicz and Foad Hamidi. 2025. Exploring the Role of Generative AI in Supporting Students with Disabilities, Through the Lens of Universal Design for Learning (UDL) - ASSETS 2025.

RESEARCH EXPERIENCE

University of Maryland, Baltimore County (UMBC)

Human-Centered Computing Department · DARE Lab · Advisor: Dr. Foad Hamidi

2025

- Space for All project in partnership with Digital Harbor Foundation.
- AI in Special Education co-design session for inclusive technology development.

2024

- AI-enhanced lesson planning in Special Education
- Pilot study on AI-enabled assistive technologies in special education.
- Therapeutic Recreation DIY Study.
- 3D Printed DIY assistive technologies study in partnership with Maryland State.
- *Rec-to-Tech* study in partnership with Digital Harbor Foundation

2023

- *Rec-to-Tech* study in partnership with Digital Harbor Foundation
- Pilot study survey on AI adoption and usage among K–12 teachers in local schools

University of Maryland, Baltimore County (UMBC)

Information Systems Department · Advisor: Dr. Karen Chen

2024

- Assisted with data analysis for the ABii Study in collaboration with Baltimore schools.
- Contributed to data analysis and writing for a study on math coaching interventions.

SERVICE

[S1] UMBC HCC FIKA Committee Member 2024-2025

[S2] Paper Reviewer RESPECT 2025