Curriculum Vitae

Marie Sakowicz

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EDUCATIONAL QUALIFICATIONS

2026   ABD, Ph.D. Candidate, Human-Centered Computing, University of Maryland, Baltimore County
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
- Educational 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.

PRESENTATIONS

[PR1] Presenter, "Generative AI Adoption in Special Education." N-SEA 2025: National Symposium for Equitable AI 2025, Baltimore, MD. April 2025.
[PR2] Presenter, "Exploring the use of Generative AI for Inclusive Learning." Future Ready Maryland: AI in Education Summit, Baltimore, MD. June 2025.
[PR3] Panelist, "Equipping for the Future: AI in Higher Education." Prince Georges Community College, Welcome Back Week, Largo, MD. August 2025

HONORS AND AWARDS

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

PUBLICATIONS

[P1]   Higgins, E., Sakowicz, M., & Hamidi, F. (2024). An Ecosystem of Support: A U.S.
State Government-Supported DIY-AT Program for Residents with Disabilities. I*n
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

[P2]   Sakowicz, M., & Hamidi, F. (2025). Exploring the role of generative AI in
supporting students with disabilities, through the lens of universal design for
learning. *American Journal of STEM Education*, *15*, 1 -
22. https://doi.org/10.32674/yeyaaq64

Submitted and under review

[P2]   Higgins, E., Posada, J., Sakowicz, M., Kimble-Brown, Q., Coy, A., & Hamidi, F.
(2025). Understanding the Sociocultural Role of Makerspace Infrastructure When
Developing Community-based Technology-rich Learning Programs. *ACM CHI
conference on Human Factors in Computing Systems (CHI '26).* Association for
Computing Machinery, New York, NY, USA. (under review)

[P3]   Sakowicz, M., & Hamidi, F. (2025). Perspectives of Special Education Teachers
on Using AI-enabled Technologies in the Classroom. *Universal Access in the
Information Society.* (under review)

RESEARCH EXPERIENCE

University of Maryland, Baltimore County (UMBC)

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

2025

- Use of generative AI for practicing self-advocacy skills with students with autism

- Space for All project (creating accessible makerspaces) in partnership with
Digital Harbor Foundation

- AI in Special Education co-design session for inclusive technology development

2024

- AI-enhanced lesson planning focus group with Special Educators

- 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

- ABii Educational Robot study in collaboration with Baltimore schools

- Math coaching interventions study

SERVICE

[S1]   UMBC HCC FIKA Committee Member 2024-2025

[S2]   Paper Reviewer RESPECT 2025

[S3]   NSF STEM Day volunteer with Digital Harbor Foundation