

Michael Bermudez, EdD, OTR/L

EDUCATION

Doctorate (Ed.D.) in Educational Technology Leadership

New Jersey City University, Jersey City, NJ (2016-2019, GPA: 4.0)

- Dissertation: The Use of Electroencephalographic Wearable Technology in Stress Management of Nursing Students: A Mixed Methods Study

M.A. in Educational Technology

New Jersey City University, Jersey City, NJ (2013-2016, GPA: 4.0)

B.S. in Occupational Therapy (Summa Cum Laude)

University of Texas Health Science Center at San Antonio (1997-1999)

B.S. in Biology

University of Santo Tomas, Manila, Philippines (1990-1994)

ACADEMIC APPOINTMENTS

Program Director and Assistant Professor, Doctor of Occupational Therapy Program

Shenandoah University, Winchester, VA (2025-Present)

Provide strategic leadership for program planning, policy development, accreditation alignment, and resource allocation.

Oversee curriculum design and ensure integration of current research, clinical relevance, and

Accreditation Council for Occupational Therapy Education (ACOTE) standards.

-Teach courses across the didactic phase with emphasis on adult physical dysfunction, neuroscience, and professional reasoning.

-Advise and mentor students academically and professionally, supporting development of clinical competence and scholarly engagement.

-Supervise and collaborate with faculty and staff to ensure operational excellence and a supportive academic culture.

-Lead interprofessional education efforts by coordinating with other health professions and embedding IPE in the curriculum.

-Conduct and disseminate scholarly work, including research, publications, and conference presentations; mentor student research projects.

-Serve on institutional committees and engage with community and professional organizations to advance the program's mission.

-Promote diversity, equity, and inclusion by fostering an inclusive environment and promoting access and representation in OT education.

Assistant Professor, Department of Occupational Therapy

University of Texas Health Science Center, San Antonio (2023-2025)

Teach doctoral courses in adult rehabilitation, neurocognitive, biomechanical conditions, and occupational therapy service delivery using both in-person and hybrid formats

Develop and integrate evidence-based practices into the curriculum aligned with modern occupational therapy needs.

Mentor doctoral candidates and oversee research projects and clinical education.

Participated in curriculum redesign by integrating technology-based, collaborative course activities to enhance student learning outcomes

Assistant Professor, Department of Occupational Therapy

University of Scranton, PA (2019-2023)

Taught courses in gerontology, evidence-based practice, and research methodologies.

Mentored graduate students in clinical and academic research, fostering scholarly development.

Participated in curriculum redesign to enhance student engagement in face-to-face and online learning environments.

Fulbright U.S. Scholar

Kyambogo University, Kampala, Uganda (2022-2023)

Developed and taught graduate courses on health promotion and aging in the community

Conducted collaborative research on assistive technology

Engaged with faculty on curriculum development and accreditation standards

-Conducted pediatric rehabilitation screens in the socioeconomically challenged neighborhoods in Kanungu and Kampala, Uganda

Fulbright U.S. Scholar
Kyambogo University, Kampala, Uganda (2022–2023)

-Developed and taught graduate-level coursework in health promotion, aging, and community-based rehabilitation.

-Taught Gerontology to graduate students within the Faculty of Special Needs and Rehabilitation (FSNR) from October 2022 through January 2023.

-Conducted collaborative research on assistive technology and disability inclusion in low-resource settings.

-Engaged with faculty on curriculum development, educational technology integration, and accreditation processes.

-Conducted pediatric rehabilitation screenings and community outreach services in Kampala and Kanungu, Uganda.

-Delivered gerontology education and training to nursing assistants through The Aged Family Uganda in collaboration with the Harvey Institute of Health Sciences, Nkozi, Uganda (January 2022).

-Facilitated interdisciplinary and cross-cultural learning experiences focused on healthy aging, disability, and rehabilitation.

CLINICAL EXPERIENCE**Occupational Therapist (PRN)**

PAM Health Warm Springs Rehabilitation Hospital, San Antonio, TX (Sept. 2024 – Feb. 2025)

-Lead multidisciplinary teams in delivering rehabilitation services for stroke and cardiac patients.

-Collaborate with older adult patients and their caregivers to implement home-based therapeutic strategies.

Occupational Therapist (PRN)

Landon Ridge Assisted Living and Memory Care, San Antonio, TX (Feb. 2024 – July 2025)

-Evaluate and treat older adults in an outpatient setting, focusing on neurocognitive rehabilitation and mobility improvement.

-Develop comprehensive treatment plans to enhance patient independence in daily activities.

Occupational Therapist

Forest City Regional School District, Forest City, PA (Feb. 2023 – June 2023)

-Provide school-based therapy aligned with Individualized Education Programs (IEPs) for elementary and middle school students.

-Screen and evaluate students for occupational therapy services to promote functional independence in educational settings.

Occupational Therapist (PRN)

The Jewish Home of Eastern Pennsylvania, Scranton, PA (August 2019 – March 2020)

- Evaluated older adult clients in sub-acute/skilled nursing facility in Scranton, PA.
- Developed and implemented treatment plans and occupational therapy interventions.
- Educated clients and their caregivers on therapeutic strategies to increase independent living in a skilled nursing facility.

Occupational Therapist

St. Marks World, New York, NY (July 2016 – June 2019)

- Evaluated older adult clients in sub-acute/skilled nursing facilities in New York City.
- Developed and implemented treatment plans and occupational therapy interventions.
- Educated clients and caregivers on strategies to enhance independent living in skilled settings.

Occupational Therapist

Outreach Rehab Services, New York, NY (April 2015 – June 2016)

- Evaluated and treated adult clients in their home environments.
- Developed and implemented treatment plans to enhance independence.
- Educated clients and caregivers on therapeutic strategies for home-based care.

Occupational Therapist

Interstaff, Inc. Traveling Agency (March 2000 – May 2015)

- Assigned to various facilities including public schools, nursing homes, and outpatient clinics across NY and NJ.
- Conducted therapy in settings ranging from pediatric home health care to adult inpatient facilities.

SCHOLARSHIP AND LEADERSHIP

Fulbright U.S. Scholar (2022-2023)

Taught community rehabilitation courses and led workshops and research on assistive technology development in Kyambogo University, Kampala, Uganda

Member, Roster of Accreditation Evaluators, Accreditation Council for Occupational Therapy Education (ACOTE) (2025-2028)

- Will be part of accreditation team to ensure that occupational therapy programs in the U.S. meet ACOTE standards

PUBLICATIONS

Bermudez, M.A. (2021). A theoretical and contextual background of 3D printers and design. *Novel Research in Sciences*, 7(1). <https://crimsonpublishers.com/nrs/fulltext/NRS.000654.php>

Bermudez, M. A. (2021). Wearable technology: The future in sensory processing disorder intervention. *Novel Research in Sciences*, 7(5).

Bermudez, M. A. (2020). Chapter13: Surviving and thriving in high-demand settings. In B. Braveman (Ed.), *Leading & managing occupational therapy services: An evidence-based approach* (3rd ed.). F.A. Davis.

Bermudez, M. A. (2019). The use of electroencephalographic wearable technology in stress management of nursing students: A mixed methods study. *World Journal of Yoga, Physical Therapy and Rehabilitation*, 1(3).

PRESENTATIONS & WORKSHOPS

“Harnessing Artificial Intelligence in Occupational Therapy Research: Enhancing Efficiency, Accuracy, & Insights” – American Occupational Therapy Association Conference, Philadelphia, PA (2025).

“Practical Applications of Artificial Intelligence—Machine Learning in Predicting Variables from Rehabilitation Data” – American Occupational Therapy Association Conference, Philadelphia, PA (2025).

“Using AI for Occupational Therapy Assessments” – 1st Occupational Therapy Congress, Krakow, Poland (2024).

“Creation of Adaptive Technology for Disabilities Using Circuit Boards” – American Occupational Therapy Association Conference, Orlando, FL (2024).

“Perceptions of OT Students on Makerspace Pedagogy” – European Network of OT in Higher Education Conference, Tbilisi, Georgia (2022).

“The Creation of Low-Cost Assistive Devices Using Coding and Circuit Boards,” at the European Network of Occupational Therapy in Higher Education Conference 2023, Oviedo Spain on Oct. 27, 2023

“A Cross-Case Analysis of Childhood Strokes in Uganda”—together with Lea Grant, OTS, and Gabrielle Heart Timoteo, OTS—at the European Network of Occupational Therapy in Higher Education Conference 2023, Oviedo Spain on Oct. 26, 2023

“The Need for Early Intervention in Uganda: A Cross-Case Analysis” at the European Network of Occupational Therapy in Higher Education Conference 2023, Oviedo Spain on Oct. 26, 2023

CERTIFICATIONS AND LICENSES

- No-Code Artificial Intelligence and Machine Learning Certification, Massachusetts Institute of Technology
- Certified Ergonomics Assessment Specialist I
- Certified in the Assessment of Motor and Process Skills (AMPS)
- Diversity, Equity, and Inclusion Certification – Cornell University
- Lee Silverman Voice Treatment BIG (LSVT BIG) Certification
- Occupational Therapist License: New Jersey, Texas, Virginia
- NBCOT Certification: 1042062

PROFESSIONAL AFFILIATIONS

- American Occupational Therapy Association (AOTA)
- World Federation of Occupational Therapists (WFOT)
- Fulbright Association
- International Society for Technology in Education (ISTE)

SKILLS

- Online Course Development
- Interdisciplinary Collaboration
- Research Mentorship and Scholarly Development
- Evidence-Based Practice and Curriculum Design