



CURRICULUM VITAE

Daniel Vance

Date: 5/27/2026

School: Louisiana State University Health Sciences Center

Department/Program: Department of Occupational Therapy, School of Allied Health Professions, LSU Health Sciences Center

Current Title: Clinical Instructor

Business email Address: dvanc1@lsuhsc.edu

Initial Appointment at LSUHSC Date: 8/14/2024

Current Academic Rank: Instructor

Date of Appointment to Current Rank: 5/9/2026

Education:

Undergraduate

Bachelor of Music: General Music and Psychology: Loyola University, New Orleans. Graduated May 2007

Graduate/medical

Currently Enrolled in a PhD in Occupational Therapy: Texas Woman's University. Expected graduation in the Fall of 2028

Masters of Occupational Therapy: Louisiana State University Health Sciences Center, New Orleans. Graduated May 2019

Other

Masters of Library and Information Sciences: Louisiana State University, Baton Rouge. Graduated Aug 2011

Alternative Teaching Certification Elementary Education: University of New Orleans, New Orleans. Completed May 2010.

Certification:

Occupational Therapist Registered (428216) by the National Board for Certification in Occupational Therapy. 9/18/2019 – 3/31/2028

Assistive Technology Professional (93627) by the Rehabilitation Engineering and Assistive Technology Society of North America. 6/3/2023 – 6/3/2027

Licensure:

Licensed Occupational Therapist (321002) by the Louisiana State Board of Medical Examiners. 9/19/2019 – 2/28/2027

Academic, Professional, and Research Appointments:

- **Clinical Instructor** – LSU Health Sciences Center Department of Occupational Therapy. May 2026 - Present
- **Adjunct Clinical Instructor** – LSU Health Sciences Center Department of Occupational Therapy. Aug 2024 – May 2026
- **PRN Occupational Therapist** - Ochsner Select Rehabilitation Hospital. Aug 2024 – May 2025
- **PRN Occupational Therapist** -Touro Infirmary – LCMC Health. Sept 2024 – May 2026
- **Occupational Therapist, Lead Technology Specialist** – Team Gleason Foundation. Feb 2019 – May 2023

TEACHING EXPERIENCE AND RESPONSIBILITIES

Formal Course Responsibilities

- **Occt 6532: Occupational Therapy for Neurological Conditions II**
Fall 2024 & Fall 2025
Assistant Course Instructor
Graduate level 3 credit hour OT course designed to apply the knowledge of basic neurological function to the analysis of occupational performance in persons with neurological conditions including SCI, TBI, ABI, and pediatric neurological conditions. I led 25% of the lectures, assisted with the identification and scheduling of guest lectures, and assisted in the creation and grading of assignments/exams.
- **Occt 6432: Assistive Technology**
Spring 2025 and Spring 2026
Primary Course Instructor
Graduate level 3 credit hour OT course with a focus on the principles of design, fabrication, application, fit, and training in assistive technologies and devices used to enhance a client's occupational performance. Course updated and redeveloped to further implement interactive activities, small group work, and hands-on technology demonstrations. Created and graded updated assignments and exams.

- **Occt 6528: Occupational Therapy for Neurological Conditions I**
Summer 2025 and Summer 2026
Assistant Course Instructor
Graduate level 2 credit hour OT course that presents an introduction to neurological diagnoses. I led 25% of the lectures, assisted with the identification and scheduling of guest lectures, and assisted in the creation and grading of assignments/exams.

Guest Lectures

- **Basic Considerations for Manual and Power Wheelchair Seating and Positioning** – Collaborated with local wheelchair representative to develop and present a 3-hour lecture on wheelchair considerations to the PM&R department at LSUHSC.

RESEARCH AND SCHOLARSHIP

Grants and Contracts:

Funded

- **National Science Foundation Convergence Accelerator Track H (Phase I) Dec 2022 – Feb 2024**
Mobility Independence through Accelerated Wheelchair Intelligence (\$724,415.00)
Brenna Argall (PI, lead), Jered Dean and John Rogers (co-PIs)
Role – Clinical Consultant
- **National Science Foundation Convergence Accelerator Track H (Phase II) Dec 2023 – Nov 2026**
Mobility Independence through Accelerated Wheelchair Intelligence (\$5,000,000.00)
Brenna Argall (PI, lead) and Jered Dean (co-PI)
Role – Clinical Consultant

Major Area of Research Interest:

Research interests include assistive technology, alternative access methods, smart wheelchair technologies, and the use of the Theory of Occupational Adaptation to evaluate adaptation and relative mastery. Clinical interests include adult neurological rehabilitation.

Journal Publications:

Refereed

Published:

- Cai, S., Venugopalan, S., Tomanek, K., Kane, S., Ringel Morris, M., Cave, R., Macdonald, M., Campbell, J., Casey, B., Kornman, E., Vance, D., & Beavers, J. (2023). SpeakFaster Observer: Long-Term

Instrumentation of Eye-Gaze Typing for Measuring AAC Communication. Extended Abstracts of the 2023 CHI Conference on Human Factors in Computing Systems, 397, 1-8.
<https://doi.org/10.1145/3544549.3573870>

- **Vance, D.**, Blanchard, M., Pendleton, S., Richardson, S., Moran, J., Baker, J., & Benton, H. (2021). Creating a Consumer-Friendly Resource to Assist Persons with Amyotrophic Lateral Sclerosis (ALS) in Navigating the Power Wheelchair Selection Process. *Assistive Technology*, 35(1), 35-40.
<https://doi.org/10.1080/10400435.2021.1915899>

H-Index/indices:

Scopus – h-index 3 (3/9/2026)

Videos, Electronic Media, and Multimedia:

- **Vance, D.** (2022, Nov 28 - 30). Team Gleason: Access, Collaboration, and Innovation [Conference presentation]. 2022 Alliance Meeting of the International Alliance of ALS/MND Associations. San Diego, CA, United States.

SERVICE AND ADMINISTRATION

Clinical Service:

- LSVT Big for Life Support Group – Volunteer – Touro LCMC Health
- Student Neuro PLEX - Faculty – LSUHSC
 - Mentor a group of students through assessment and treatment of a client over five sessions of the departmental Neuro Patient Learning Experience.
- LSU Health New Orleans Amyotrophic Lateral Sclerosis (ALS) Clinic Occupational Therapist / Assistive Technology Professional
 - Work with an interdisciplinary team to provide assessment, monitoring, education, and recommendations for individuals living with ALS within a monthly clinic.

Membership in Professional Organizations:

- American Occupational Therapy Association 2019 – Current
- Rehabilitation Engineering & Assistive Technology Society of North America 2022 – Current
- Louisiana Occupational Therapy Association 2026 - Current

Other Professional Service:

- 2026 TWU Occupational Therapy PhD Research Symposium - Student Committee Chair (Jan 2026 – Present)

- Occupational Therapy Journal of Research – Editorial Fellow (May 2026 – Present)

Continuing Education Courses Attended:

- Custom AT: Solving Unique Access Challenges – 2/14/2020
- Heads Up! Supporting Head Control and Access with Bluetooth Connectivity – 2/17/2020
- Beyond 90/90/90: Supporting AT Access and Task Engagement – 2/17/2020
- How to Choose Effective Alternative Access Solutions: An Evidence-Based Approach – 2/17/2020
- Mounting Made Easy – 2/17/2020
- Drive Wheel Configuration: Do we Know what we Know? 4/14/2020
- Seating Foundations Part 1: Linear Measurements for Mat Evaluation – 4/15/2020
- Clinical Considerations for Alternative Drive Controls – 4/16/2020
- Seating Foundations Part 2: Angular Measurements for Mat Evaluation – 4/21/2020
- Clinical Consideration for Power Wheelchair Application – 4/23/2020
- The Case for Bluetooth: Technology Leading to Independence – 4/24/2020
- That Speech Moved Me: An Overview of Utilizing AAC from a Power Mobility Device – 11/05/2020
- The Road to Success: A RESNA (ATP Exam) Preparatory Course – 3/25/2021
- 37th International Seating Symposium – 1/31/2022 – 2/2/2022
 - Bathroom Modifications: The Good, The Bad, and the Ugly
 - Codes, Coverage, Products, & Innovations: Do These Words Work Together?
 - Exploring Alternative Drive Controls for Clients with Advanced Neuromuscular Diseases
 - Guidelines for ALS Therapeutic Interventions and Plan of Care
 - Integrated Assistive Technology Features on Power Wheelchairs
 - Large Data: Threat or Opportunity
 - Smart Home Makeover Disability Edition
 - The Pelvic-Spine Connection: The Key to Positioning and Function
 - Working with Users to Develop Active Mobility Strategies to Improve Community Mobility
- What's New in Microsoft Windows 10 Accessibility – 2/17/2022
- RESNA Virtual Conference – 7/13/2022 – 7/15/2022
 - Master Class: Autonomous Vehicles – Research, Policy, and Product Development
 - Adaptive Gaming or Therapeutic Gaming, One in the Same?
 - Strategies and Tools for Promoting Smart Home Technology in People with Disabilities
 - Rights Based Rehabilitation
 - Powered Wheelchair Access Methods for Highly Complex Clients
 - Don't let Progress Slow Your Client Down: Overview of Power Wheelchair Alternative Drive Input Controls for Individuals with ALS
 - The Past, Present, and Future of 'Smart' Wheelchairs
- Playing with Switches: Opening up a World of Possibilities – 2/02/2023
- Project Open Year 2: AAC Talk-in Interaction Research – 2/02/2023
- A Beginner's Guide to Adaptive Video Gaming – 2/03/2023

- Application of a Service Delivery Model for Mainstream Smart Home Technology – 2/03/2023
- Benefits and Challenges of Videoconferencing Technology for People who Use AAC – 2/03/2023
- DIY AT for Access and Beyond - 02/03/2023
- Emergency Solutions for Powering DME and AT – 2/03/2023
- AT for Free?! Setting up a High-Tech Reuse Center – 2/10/2023
- Integrating ADL Tasks in Upper Extremity Rehabilitation Post Stroke – 12/31/2023
- Strategies to Integrate Function into Rehabilitation Post Stroke – 1/16/2024
- Pediatric Behaviors Part 1: Identifying Behaviors – 2/14/2024
- Pediatric Behaviors Part 2: Examining Approaches – 2/14/2024
- Pediatric Behaviors Part 3: When and How to Implement Strategies – 2/14/2024
- Pediatric Behaviors Part 4: Integrating Strategies into Practice – 2/15/2024
- Assistive Technology Teams, Funding, and Switch Access – 2/6/2024
- Kindness and Compassion: Self-Care Practices for You and Your Patients – 2/23/2024
- Nighttime Positioning: Postural Care – 2/24/2024
- Signs and Symptoms of Approaching Patient Death in Hospice Care – 2/25/2024
- Acute Care Overview for the Rehab Practitioner – 6/24/2024
- Lines, Leads, Tubes, and Drains in Acute Care Rehabilitation – 7/20/2024
- SCI Part 1: Comprehensive Approach to Spinal Cord Injury – 1/21/2025
- SCI Part 2: Early Rehabilitation Considerations – 1/21/2025
- SCI Part 3: Interventions for Treating a Person with a C6-Level Injury – 1/21/2025
- SCI Part 4: Interventions for a Person with Thoracic-Level Injury – 01/23/2025
- Acute Care Occupational Therapy: Orthopedics 1/24/2025
- Introduction to Chemotherapy-Induced Peripheral Neuropathy in Adults – 1/26/2025
- A Primer in a Parkinson's-Specific Occupational Therapy Program – 7/9/2025
- Multiple Sclerosis: Contemporary Rehabilitation and Wellness Applied (Recorded Webinar) – 8/26/2025
- Current Applications of Ethics for SLP and OT Professionals (2026) – 1/17/2026
- Occupational Therapy Laws and Rules – 1/17/2026
- Online LSVT Big Training and Certification Course – 3/29/2026
- Brian Injury Association of Louisiana/United Spinal Association of Louisiana's 17th Annual Conference – 3/27/2026 -3/28/2026