

## CURRICULUM VITAE

# GREGORY A. YODAN JR.

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### EDUCATION

- PhD 2021 (Anticipated) Kinesiology  
Columbia University, New York, NY
- M.S. 2019 Applied Statistics  
Teachers College, Columbia University, New York, NY
- M.A. 2017 Motor Learning and Control  
Teachers College, Columbia University, New York, NY
- B.A. 2007 Dance (Minor: Sports Sciences)  
Hofstra University, Hempstead, NY

### RESEARCH EXPERIENCE

- 2018 – Present Research Assistant, Department of Rehabilitation and Regenerative Medicine, Columbia University Medical Center, New York, NY (Principal Investigator: Dr. Kevin Wong)  
Research Topic: Using wearable sensors to examine gait and balance in unilateral amputees
- 2017 – Present Lab Manager, Neurorehabilitation Research Lab, Teachers College, Columbia University, New York, NY (Principal Investigator: Dr. Lori Quinn)  
Research Topic: Neurological rehabilitation optimizing motor performance
- 2016 – 2017 Research Assistant/Study Coordinator, Neurorehabilitation Research Lab, Teachers College, Columbia University, New York, NY (Principal Investigator: Dr. Lori Quinn)  
Research Topic: Neurological rehabilitation optimizing motor performance
- 2016 – 2017 Research Assistant, Center for Cerebral Palsy Research, Teachers College, Columbia University, New York, NY (Principal Investigator: Dr. Andy Gordon)  
Research Topic: Using kinematic analysis to examine interlimb coordination in children with Cerebral Palsy
- 2016 Interventionist, Motor learning camp for children with CP, Teachers College, Columbia University, New York, NY  
Research Topic: Administered a motor learning-based protocol using Constraint-Induced Movement Therapy (CIMT) and Hand-Arm Bimanual Intensive Therapy (HABIT)

**GRANTS & FUNDING**

1. National Center for Advancing Translational Sciences, National Institutes of Health, Grant Number UL1 TR001873. 2018, Co – Investigator. Implementing a health screening app to match people with lower limb loss at high risk for low function to personalized physiotherapy and injury prevention education. \$100,000.

**PUBLICATIONS (PEER-REVIEWED JOURNALS)**

1. Miller, A., Duff, S. V., Quinn, L., Bishop, B., **Youdan, G.**, Ruthrauff, H., & Wade, E. (2018). Development of Sensor-Based Measures of Upper Extremity Interlimb Coordination. 40th Annual International Conference of the IEEE Engineering in Medicine and Biology Society.
2. **Youdan, G.**, Jain, S., Seo, C., Beckley, A., Rosenberg, S. J., Feiner, S. K. & Quinn, L. (2019) Feasibility of Using the Microsoft HoloLens to Increase Gait Speed in People with Parkinson's Disease. (Under Review)

**POSTER PRESENTATIONS**

1. Sidiropoulos, A., Santamaria-Gonzalez, V., **Youdan, G.**, Gordon AM. Inter-limb Coordination During a Continuous Marching Task After Intensive Therapy in Children with Hemiplegic Cerebral Palsy. Poster presented at Ann Gentile Memorial Conference. New York, NY: 2016.
2. Miller, A., Duff, S. V., Quinn, L., Bishop, L., **Youdan, G.**, Ruthrauff, H & Wade, E. Quantitative Assessment of Interlimb Coordination in Persons with Hemiparesis. Poster presented at Progress in Clinical Motor Control I: Neurorehabilitation. State College, PA: 2018.
3. Poile, V., **Youdan, G.**, Sheeran, L., Quinn, L., Busse, M. & iWEAR study management group. Wearable Technologies for Assessment of Physical Activity in HD: Preliminary Analysis of Movement Variability and Wear Time. Poster presented at European Huntington's Disease Network Plenary Meeting. Vienna, Austria: 2018.
4. Miller, A., Duff, S. V., Quinn, L., Bishop, L., **Youdan, G.**, Ruthrauff, H & Wade, E. A Novel Method for Quantitative Assessment of Interlimb Coordination in Persons with Hemiparesis Post Stroke. Poster presented at American Society for Neurorehabilitation. San Diego, CA: 2018
5. **Youdan, G.**, Fritz, N., Muratori, L., Busse, M. & Quinn, L. Gait and Balance Dual Task Performance in individuals with Huntington's Disease. Poster Presented at Unlocking HD: Huntington's Study Group. Houston, TX: 2018

**INVITED PRESENTATIONS**

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|-----------|-------------------------------------------------------------------------------------------------------------------------------------|
| July 2019 | Keynote Speaker. Using Motor Learning Principles to Make Your Clients Learn, New York, NY                                           |
| July 2019 | Speaker on Panel. LGBTQ+ Visibility in STEM, New York, NY                                                                           |
| June 2019 | Moderator. An Evening with 500 Queer Scientists, Elsevier and Cell, New York, NY                                                    |
| June 2019 | Speaker. Using Augmented Reality for Gait Training in People with Parkinson's Disease, James J. Peters VA Medical Center, Bronx, NY |

June 2019	Speaker. Using Propensity Scores to Inform Exercise Interventions in People with Huntington's Disease, Cardiff University, Cardiff, Wales
February 2019	Speaker. Using Dance for Neurorehabilitation, University of Rochester, Rochester, NY
February 2019	Speaker. A Lot on the Mind Series, Huntington's Disease Society and BrainNY, Caveat, New York, NY
November 2018	Speaker. Late-Night Science Series, Jerome Greene Science Center, Columbia University, New York, NY
April 2017	Speaker at conference. Academic Festival, Teachers College, Columbia University, New York, NY
November 2016	Speaker at conference. International Society for Posture and Gait Research, University of North Texas, Fort Worth, TX
March 2013	Speaker on panel. American College Dance Festival Association, Hofstra University, Hempstead, NY
October 2007	Speaker and choreography presented at conference. Queer Exoticism, Hofstra University, Hempstead, NY

#### **WORKSHOP & CONTINUING EDUCATION TRAINING**

2019	NIH & NHS Grantwriting Workshop, Grant Training Center, Held at Study at Yale University
2019	Introductory Coding for Researchers, New York Academy of Sciences
2019	Cultural Awareness Workshop: Navigating Diversity in the Lab, New York Academy of Sciences
2019	Communicating Science to Policy Makers, New York Academy of Sciences
2019	Policy Skills Workshop, Science Policy Exchange Network at University College of London
2018	Science and Storytelling: Visual Narratives Workshop, Columbia University, New York, NY

#### **AWARDS**

2019	Teachers College Minority Scholarship Receipt
2018	New Member Scholarship: Huntington's Study Group
2018	Provost's Grant for Professional Development
2016 – 2017	Ann Gentile Memorial Scholarship Recipient
2016	Travel Fellow: International Society for Posture and Gait Research
2015 – 2016	Teachers College Application Scholarship Recipient
2004 – 2007	Mildred Elizabeth McGinnis Endowed Scholarship Recipient
2003 – 2007	Hofstra Presidential Scholarship Recipient
2007	American College Dance Festival Association Gala (Choreography)
2003 – 2004	Hofstra Dance Grant Recipient
2003	Ibero-American Action League Scholarship Recipient

#### **MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS**

2019 – Present	Member, Movement Disorder Society
2018 – Present	Member, New York Academy of Sciences
2018 – Present	Member, Society for Neuroscience
2018 – Present	Member, European Huntington's Disease Network

2016 – Present	Member, International Society of Motor Control
2015 – Present	Member, International Society of Posture & Gait Research
2011 – Present	Member, Pilates Method Alliance

**TEACHING EXPERIENCE**

2017 – Present	Adjunct Instructor, Motor Learning Laboratory Teachers College, Columbia University, New York, NY
2016	Teaching Assistant, Motor Learning Laboratory Teachers College, Columbia University, New York, NY (Adjunct Instructor: Pamela Bernstein)

**GUEST TEACHING & LECTURES**

November 2018	Guest Instructor, Barnard College, Impaired Biomechanics in Neurological Populations
October 2018	Guest Instructor, Barnard College, Methods of Quantifying Human Movement for Biomechanical Analysis
October 2018	Guest Instructor, New York University, Contextual Interference
May 2018	Guest Instructor, Columbia University Medical Center, Using Dance as a Rehab Strategy in Patient Populations
March 2018	Guest Instructor, New York University, Quantitative and Qualitative Approaches to Dance Research in Impaired Populations
March 2013	Pilates Master Class at American College Dance Festival Association at Hofstra University
May 2012	Master Class at Mark Morris Dance Group for NY Baroque Dance Company
April 2011	Guest Artist and Residency with Lifedance/ Gloria McLean & Dancers at Keimyung University (Daegu, South Korea)
August 2010	Residency at CW Post with NY Baroque Dance Company

**TEACHING CONTINUING EDUCATION COURSES**

June 2018	Lecturer, Teaching Pilates to Learn – an evidence-based approach to optimizing skill learning, BodyTonic Gymnasium, Brooklyn, NY
January 2019	Lecturer, Human Movement and the Brain, Rochester Brainery, Rochester, NY

**PROFESSIONAL EXPERIENCE**

2014 – 2016	Certified Pilates Teacher, Real Pilates, New York, NY
2013 – 2015	Certified Pilates Teacher, Sixth Street Pilates, New York, NY
2013 – 2014	Dancer, David Parker & the Bang Group, New York, NY
2013	Dancer, Flexicurve, New York, NY
2012	Dancer, Marjorie Folkman, Annadale on the Hudson, NY
2011	Dancer, International Handel Festival, Göttingen, Germany
2010 – Present	Owner, Certified Pilates Teacher, Pilates By Greg, New York, NY
2010 – 2014	Certified Pilates Teacher, Groundfloor Exercise, New York, NY
2010 – 2013	Certified Pilates Teacher, Complete Body, New York, NY
2009 – 2016	Dancer, Rehearsal Assistant, Heidi Latsky Dance, New York, NY
2009 – 2012	Dancer (Soloist), Gallant Dance, New York NY

2009 – 2010 Dancer (Soloist), HT Chen & Dancers, New York, NY  
2008 – 2015 Dancer (Soloist), Sokolow Theatre/Dance Ensemble, New York, NY  
2008 – 2009 Dancer, Kelley Donovan & Dancers, Boston, MA  
2006 – 2015 Dancer, Teacher, New York Baroque Dance Company, New York NY  
2005, 2011 Dancer, Lifedance/ Gloria McLean & Dancers, New York, NY

**CHOREOGRAPHY**

2012 92<sup>nd</sup> St YMCA, Baroque Reconstruction from Beauchamp-Feuillet Notation, New York, NY  
2010 Faith Project (Commission), New York, NY  
2009 Dance New Amsterdam, Works in Progress, New York, NY  
2009 Movement Research, Open Performance, New York, NY  
2007 Hofstra University, Queer Exoticism, New York, NY  
2006 Rochester Academy of Performing Arts, Rochester, NY

**PROFESSIONAL LICENSES**

2011 – Present Pilates Method Alliance – Nationally Certified Pilates Teacher

**CONSULTATIVE & ADVISORY POSITIONS**

2018 – Present Board of Directors, Latsky Dance Inc.

**REVIEW ACTIVITIES**

2019 – Present Digital Biomarkers, manuscript reviewer  
2018 – Present Journal of Movement Arts Literacy, manuscript reviewer

**COMMUNITY ACTIVITY**

2019 – Present QueerTC, President  
2019 – Present Know Science, Social Media Manager  
2018 – Present Society for Neuroscience, City of Science Volunteer  
2009 New York City Pride March, Heritage of Pride Volunteer

**PROFESSIONAL PROFICIENCIES**

Fluent in Spanish, Grant writing,  
Experience with SPSS, MATlab, R, LabView, Nexus, Vicon Workstation, Mobility Lab, Motion Studio, Geneactiv, REDCap, Datavyu, StepWatch, iMovie, Microsoft Office Suite