

CURRICULUM VITAE

GREGORY A. YODAN JR.

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EDUCATION

- 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

- 2020 – Present Research and Advocacy Coordinator, Dance/NYC, New York, NY
Research Topic: Coronavirus Impact Research, Defining “Small-Budget”
Dance Makers, State of NYC Dance Workforce Demographics and Dance
Worker Census
- 2018 – 2020 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 – 2020 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. (2020) Feasibility of Using the Microsoft HoloLens to Increase Gait Speed in People with Parkinson's Disease. (Submitted)
3. Wong, C. K., Vandervort, E., Moran, K., Adler, C., Chihuri, S., **Youdan, G.** (2020) Walking Asymmetry and its Relation to Patient Reported and Performance Based Outcome Measures in Individuals with Unilateral Lower Limb Loss. (Submitted)
4. Duff, S. V., Miller, A., Quinn, L., **Youdan, G.**, Bishop, L., Ruthrauff, H., & Wade, E. (2020). Novel Method to Quantify Interlimb Coordination in Persons with Hemiparesis. (Submitted)

ABSTRACTS & 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. Duff, S. V., Miller, A., 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 Study Group. Houston, TX: 2018
6. Miller, A., Duff, S. V., Quinn, L., Bishop, L., **Youdan, G.**, Ruthrauff H. & Wade E. Development of Sensor-Based Measures of Upper Extremity Interlimb Coordination. 40th

- International IEEE Engineering in Medicine and Biology Conference, (EMBC), Honolulu, HI: 2018.
7. Duff, S. V., Miller, A., Quinn, L., Bishop, L., **Youdan, G.**, Ruthrauff, H. & Espnoza-Wade E. Quantifying Interlimb Coordination in Persons with Hemiparesis. Platform presentation, Combined Section Meeting, American Physical Therapy Association. Washington DC: 2019
 8. **Youdan, G.**, Li, X., Griffin, B., Playle, R., Busse, M., Quinn, L. Using Propensity Scores to Balance Covariates in Exercise Trials for People With Huntington's Disease. Poster presented at Huntington Study Group. Sacramento, CA: 2019.
 9. **Youdan, G.**, Muratori, L., Fritz, N., Rao, A., Li, X., Gurevich, T., Inbar, N., Hillel, I., Busse, M., Hausdorff, J. & Quinn, L. Making sense of wearable sensors: associations between movement smoothness derived from wearable sensors and the UHDRS chorea subscore. Poster presented at Huntington Study Group. Sacramento, CA: 2019.
 10. Rao, A., **Youdan, G.**, Li, X., Fritz, N., Muratori, L., Inbar, N., Gurevich, T., Hausdorff, J., Poile, V., Marder, K., Busse, M. & Quinn, L. Life-space Mobility and Falls in Huntington Disease. Poster presented at Huntington Study Group. Sacramento, CA: 2019.
 11. Quinn, L., **Youdan, G.**, Muratori, L., Li, X. & Fritz, N. Dual-Task Performance During Standing and Walking in Persons With Huntington's Disease. Poster presented at Huntington Study Group. Sacramento, CA: 2019.
 12. Wong, C. K., Adler, C., Moran, K., Vandervort, E., **Youdan, G.**, Chihuri, C. Gait Asymmetry in People with Limb Loss and its Association to Prosthetic Walking Function. Poster presented at American Physical Therapy Association Combined Sections Meeting. Denver, 2020.

INVITED PRESENTATIONS

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| July 2020 | Keynote Panelist, Dance and Technology, International Conference on Movement and Computing, Virtual |
| December 2019 | Moderator, International Day of Persons With Disabilities, Teachers College, Columbia University, New York, NY |
| November 2019 | Platform Speaker, Using Augmented Reality in Rehabilitation to Optimize Gait Training in People With Parkinson's Disease. American Congress of Rehabilitation Medicine, Chicago, IL |
| October 2019 | Panelist, Symposium, Dance and Diplomacy, High Fest Symposium with US Embassy in Armenia, Yerevan, Armenia |
| October 2019 | Speaker, Science Behind Wearables: Using wearables to understand brain disorders, Know Science, Zuckerman Institute, Columbia University, New York, NY |
| 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

2020	Adaptive Dance Teacher Training, Boston Ballet, Virtual
2019	NIH & NHS Grant Writing 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
2018	Exercise for Parkinson's Training, Brian Grant Foundation, Portland, OR

AWARDS

2019	Teachers College General Scholarship Recipient
2019	Teachers College Minority Scholarship Recipient
2018	New Member Scholarship: Huntington's Study Group
2018 – 2019	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

2020 – Present	Member, International Association for Dance Medicine and Science
2019 – Present	Member, American Congress of Rehabilitation Medicine
2019 – Present	Member, Movement Disorder Society
2018 – 2020	Member, New York Academy of Sciences
2018 – 2020	Member, Society for Neuroscience

2018 – Present	Member, European Huntington's Disease Network
2016 – Present	Member, International Society of Motor Control
2015 – 2020	Member, International Society of Posture & Gait Research
2011 – Present	Member, Pilates Method Alliance

TEACHING EXPERIENCE

2017 – 2020	Instructor/Lecturer, Motor Learning Laboratory, Research Training Seminar Teachers College, Columbia University, New York, NY
2016	Teaching Assistant, Motor Learning Laboratory Teachers College, Columbia University, New York, NY (Instructor/Lecturer: Pamela Bernstein)

GUEST TEACHING & LECTURES

March 2020	Guest Lecturer, Barnard College, Impaired Biomechanics in Neurological Populations
March 2020	Guest Lecturer, Columbia University Medical Center, Rehabilitation for Parkinson's and Huntington's Disease
December 2019	Guest Lecturer, Barnard College, Dance for Persons With Disabilities and Aging Populations
October 2019	Guest Lecturer, Barnard College, Anatomy Laboratory
March 2019	Guest Lecturer, Columbia University Medical Center, Rehabilitation for Parkinson's and Huntington's Disease
November 2018	Guest Lecturer, Barnard College, Impaired Biomechanics in Neurological Populations
October 2018	Guest Lecturer, Barnard College, Methods of Quantifying Human Movement for Biomechanical Analysis
October 2018	Guest Lecturer, New York University, Contextual Interference
May 2018	Guest Lecturer, Columbia University Medical Center, Using Dance as a Rehab Strategy in Patient Populations
March 2018	Guest Lecturer, 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

December 2019	Lecturer, Neurorehabilitation Principles for Pilates Teachers, Pilates Teacher Master Mind, New York, NY
December 2019	Lecturer, Motor Learning Principles for Pilates Teachers, Pilates Teacher Master Mind, New York, NY
January 2019	Lecturer, Human Movement and the Brain, Rochester Brainery, Rochester, NY

June 2018 Lecturer, Teaching Pilates to Learn – an evidence-based approach to optimizing skill learning, BodyTonic Gymnasium, Brooklyn, NY

PROFESSIONAL EXPERIENCE

2019 Company Manager, Heidi Latsky Dance, New York, NY
 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 92nd 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 (NCPT)

CONSULTATIVE & ADVISORY POSITIONS

2018 – Present Board of Directors, Latsky Dance Inc.

REVIEW ACTIVITIES

2020 – Present Journal of Dance Medicine and Science, manuscript reviewer
 2019 – Present Digital Biomarkers, manuscript reviewer
 2018 – Present Journal of Movement Arts Literacy, manuscript reviewer

COMMUNITY ACTIVITIES

2019 – 2020 Huntington's Disease Society of America, Dancer, Volunteer
 2019 Parkinson's Foundation, Volunteer
 2019 – 2020 QueerTC, President

Grants Received: Student Organization Event Sustainable (SOES) Grant
\$2,200, SOES Grant \$800, The Vice President's Grant for Diversity &
Community Initiatives (DCI) \$700, SOES \$250
2019 – Present Know Science, Speaker, Social Media Manager
2018 – 2019 BrainNY Society for Neuroscience NYC Chapter, 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