

DR. CHRISTOPHE E. JACKSON PHD, DMA, PA-C

Neuroscientist | Clinician | Engineer | Musician

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Atlanta, GA website: <https://www.drchristophejackson.com/>



SUMMARY

Dynamic and multifaceted clinician, scientist, engineer, and musician leader in neuroscience, engineering, music and medicine with a proven track record of delivering quality programs, innovation, clinical care, and research across multiple sectors. I excel in healthcare delivery engineering design, creative arts and effective communication to diverse groups and multiple expertise settings. As a neuroscientist, engineer, clinician and musician, I have a passion for bridging the divide at the intersection of medicine, sciences, and the arts thereby creating solutions to improve health outcomes, quality of life, and creative expression.

CLINICAL EXPERIENCE

Neurosurgery/Neuro-critical care Physician Assistant Piedmont

- 2025 - Present Atlanta, Georgia
- First-Assist in neurosurgery cranial, spine, and tumor cases.
 - Manage inpatient and outpatient clinic as well as hospital rounding
Managed a 20-member team across 3 departments.
 - Assisted in cranial and spine surgeries.
 - Intraparenchymal bolt placement, central line, EVD placements, lumbar puncture.
 - Rounded on 50 stroke/trauma patients weekly.
 - Read neuroimaging and labs.

Physician Assistant Certified Faebris

- 04/2018 - Present Atlanta, Georgia
- Manage inpatient and outpatient settings in infectious disease and urology.
 - Coordinate and collaborate multidisciplinary care teams in the development and implementation of patient care.
 - Offer comprehensive medical assessment in primary care, men's health, LGBTQ+ care, HIV treatment, PreP, and sexual health medicine.

Urology Physician Assistant Atlanta Cosmetic Urology

- 10/2021 - 07/2025 Atlanta, United States
- Evaluate and diagnosis patient with urological disorders
 - Perform cystoscopies and urological procedures
 - Read and interpret imaging and labs
 - First assist in surgery and manage clinical visits
 - Sexual health medicine and Men's Health

Neurosurgery Physician Assistant Wellstar Health System


- 10/2019 - 01/2022 Atlanta, GA
- Coordinated care for 500 patients/month. Managed 20 staff across 3 departments.
 - First Assisted in cranial and spine surgeries. intraparenchymal bolt placement, central line, EVD placements, lumbar puncture.
 - Rounded on 50 stroke/trauma patients weekly.
 - Analyzed neuroimaging and labs. Worked closely with Infectious Disease and General Trauma Surgery to coordinate care to level 1 trauma patients.


Ortho Trauma Physician Assistant Wellstar Health System


- 10/2021 - 01/2022 Atlanta, United States
- First-assisted in over 100 complex orthopedic surgeries per year.
 - Managed a caseload of over 250 ortho trauma patients annually.
 - Triaged trauma patients, implemented splinting and casting
 - Managed bracing and coordinate with vendors
 - Evaluated, treated and managed trauma ortho patients


EDUCATION

 Master of Physician Assistant Studies
University of Alabama at Birmingham
2015 - 04/2018 Birmingham, AL


 Doctorate of Neurobiology, Mechanical Engineering and Piano Performance
University of Alabama at Birmingham
08/2005 - 05/2012 Birmingham, AL

 Master of Science Bio-Physics, Music
University of Alabama at Birmingham
08/2005 - 12/2008 Birmingham, AL


 Post-Doc Visiting Scholar Neuroscience, Neuropharmacology, and Music
Tulane University
06/2012 - 08/2018 New Orleans, LA

 Bachelor of Science in Biology and Piano Performance, Minor Chemistry
University of Alabama at Birmingham
08/1998 - 05/2003 Birmingham, AL


RESEARCH EXPERIENCE AND TEACHING

 Associate Research Professor of Neuroscience, Music, and Medicine
Flinders University
Date period Location
<https://researchnow.flinders.edu.au/en/persons/christophe-jackson/network/>

- College of Medicine and Public Health, Flinders Health and Medical Research Institute
- Lead clinical scientist and associate professor for the Neuroscience, Music, and Medicine Initiative at Flinders University and the US. His research "Blues, Jazz, and Black in the Land of Oz" explores music, culture, and neuroscience to improve outcomes for marginalized communities in a collaboration between First Nations and United States.

 Adjunct Faculty Instructor DMSC Program
Shenandoah University
10/2024 - Present Location

- Adjunct Instructor to doctorate medical science program to PAs.

 Associate Research Professor of Neuroscience and Music
The University of Tulsa
09/2021 - 09/2022 Tulsa, United States

- Led development of interdisciplinary research of neuroscience and music research projects as Associate Research Professor.

 Visiting Professor Post-doc of Neuroscience, Neuropharmacology, and Music
Tulane University
2012 - 09/2021 New Orleans, United States

- Led research of neuroscience and music research projects as a visiting post-doc, managing and taught anatomy physiology and music to undergraduate, graduate students.

CLINICAL EXPERIENCE

Neurosurgery Physician Assistant



Carepoint Neurosurgery

06/2020 - 10/2020 Denver, United States

- Coordinated care for 500 patients/month.
- Managed 20 staff across 3 departments.
- First Assisted in cranial and spine surgeries, intraparenchymal bolt placement, central line, EVD placements, lumbar puncture.
- Rounded on 50 stroke/trauma patients weekly.
- Analyzed neuroimaging and labs. Worked closely with Infectious Disease and General Trauma Surgery to coordinate care to level 1 trauma patients.



Neuro-critical Care Physician Assistant

Ochsner Health

10/2018 - 06/2020 New Orleans, United States

- Managed 30 neuro-critical patients weekly; assisted in neuro surgeries; collaborated on patient care plans; educated on procedures and recovery; engaged in neuroscience research and training; handled ventilation, blood gases, and critical lines.



Chief Clinical Design Engineer

Gideon Medical Tech Innovation Design Consulting

01/2012 - Present Atlanta, GA

- Increased annual revenue by {15%} by streamlining customer acquisition processes and optimizing marketing strategies.
- Cultivated partner networks for bioengineering, biomed design, repair, and consulting services to advance innovation.
- Orchestrated cross-functional teams effort to align medical design, medical device repair.

SKILLS

Clinical Skills

Neurosurgery, EVD, central line, first-assist surgery, Neurology, Neuro-critical care, Trauma, Orthopedics, Infectious Disease, Urology, arterial lines, critical care, burr holes, shunt placement and revision, lumbar puncture, intraparenchymal bolt placement, vent management, suturing, cystoscopy, splints and braces, wound care, Chest tubes, Neurophysiology, teaching, diagnosis and clinical intervention

Research and Development

Research and Development, Qualitative Research, Engineering Design, Data Analysis, Clinical Monitoring, Clinical Data Management, Medical Device Development, Communication, Leadership, Teaching and Course Development, Quantitative Research, Drug Development, Musical Performance, Composition, Creative Arts Director, BioMed, Neuromonitoring EEG Clinical Trail Coordinator

AWARDS



National Science Foundation Graduate Research Fellow - Science of Song 2008



CIM Future Music Faculty Fellow 2023-24

Cleveland Institute of Music 2023-2024 future music fellow scholar.



Sphinx Lead Cohort 7

2 year support for Arts Leaders



Ford Foundation National Academies Science, Engineering, and Medicine Dissertation Fellowship (2011)

PUBLICATIONS

Construction and Characterization of a Portable Sound Booth for Onsite Voice Measurement

Science & Medicine/Medical Problems of Performing Artists

Christophe E. Jackson, John T. Tarvin, Paul A. Richardson, Paul F. Castellanos

09/2011 <https://www.jstor.org/stable/48710710>

05/12/2012

Acoustical Analysis of Trained and Untrained Singers Onsite Before and After Prolonged Voice Use

University of Alabama (UAB) Digital Commons

Christophe E. jackson/ Paul F. Castellanos, Paul A. Richardson, Christopher Gaskill, John T Tarvin, Uday Vaidya

05/2013 <https://digitalcommons.library.uab.edu/etd-collection/2021/>

UAB PhD Electronic Thesis and Dissertation (All ETDs)

RESEARCH EXPERIENCE AND TEACHING



Graduate Researcher and Teaching Assistant (PhD, DMA) Neurobiology, Mechanical Engineering, and Piano Performance

UAB - The University of Alabama at Birmingham

Date period Location

- Created and lead first Music and Medicine program at UAB generating over \$2M in research grants NSF, NEA, Ford Foundation and private foundations.
- Lead research development in neuroscience, music, and culture.
- Taught courses in neuroscience, anatomy, physiology, medical device design, and music.



Concert Pianist: Classical and Jazz Performance

Musician

1985 - Present Location

- Doctorate trained concert pianist in jazz and classical piano performance ranging from solo, ensembles, orchestras and film, teaching, research, and grant writing in Performance Arts Medicine, Ethnomusicology

KEY ACHIEVEMENTS



Medical Partnerships Increase Access to care

Led research projects to increase to access to care through research, outreach, education and technology to vulnerable groups.



Successful Integration Music, Medicine and Science

Championed and fostered the integration of music, medicine, and neuroscience programs.



Expansion of Medical Design Partnerships

Led expansion of strategic partners in medicine and science to increase efficiency and development of medical technology and innovation with global medtech companies.



Involvement with National Certifications of PA (NCCPA)

Actively work with the development, certification, and professional national standards for physician assistants.

CERTIFICATION

Leonardo Art & Design Engineering Certificate

University of Alabama at Birmingham

Biomedical Researcher and Responsible Conduct

CITI program

Clinical Trials Investigator Certification ICH-GCP

Paraxel Academy

PA-C Certified Surgical Physician Assistant

National Commission on Certification of Physician Assistants (NCCPA)

Advanced Cardiovascular Life Support Experienced Provider (ACLS)

American Heart Association

Basic Life Support for Healthcare Providers (BLS)

American Heart Association

PROJECTS

Musician, Scientist and Clinician: Bridging the Divide Between Music, Science and Medicine

📅 08/1996 - Present 📍 Atlanta, Ga
🔗 <https://www.drchristophejackson.com/>

As scientist, musician and clinician, I utilize my unique multidisciplinary background and training to foster collaborations, research, healthcare programs that reside at the intersections of the sciences, medicine, and music for holistic health and creative expression.

Piano Lesson Netflix - Specialized Talent Pianist and Musician

📅 11/2022 📍 Atlanta, GA
🔗 <https://www.netflix.com/tudum/articles/the-piano-lesson-plot-cast-release-date>

Adaptation of August Wilson's play set in 1936 Pittsburgh, "The Piano Lesson" explores the Charles family and their heirloom piano with historical carvings. I played specialized talent and performed piano for the film.

Research: Blues, Jazz, and Black in the Land of Oz: Justice, Well-being, Creativity and Resilience through Song

📅 2024 📍 Alice Springs, Australia

Performance + Arts + Culture (TAC) will conduct development of a digital platform for education, engagement of creativity, social determinants of health, and the neuroscience benefits conferred by music amongst marginalized communities of color between First Nations of Australia and African Americans. The project explores how music can serve as a tool for social justice, resilience, and well-being to highlight the shared connections, practices and resiliency between First-Nations and African Americans through music.

Sphinx Lead Cohort 7

📅 2025 📍 Location
🔗 <https://www.sphinxmusic.org/leader-christophe-e-jackson>

Sphinx LEAD: A 2-year program at transformative empowering Black and Latino Executive Arts leaders through mentorship, networking, and collective learning. Annually selects 10 leaders for a curriculum featuring leadership retreats nationwide.

LINKS

Science of Song

University of Alabama

Cpaerton Gillett

📅 09/2010
🔗 <https://www.uab.edu/uabmagazine/2010/april/scienceofsong>

Christophe Jackson's portable sound booth system provides detailed biomechanical feedback to help singers improve their performances.

Music and Movement

Online Symposia

Christophe E. Jackson

📅 12/2016
🔗 <https://www.onlinesymposia.com/online-videos/39-parkinson-association-of-alabama/250-music-and-movement-christophe-jackson>

Dr. Christophe Jackson presents research on Music, brain and the relationship to therapies for Neurodegenerative diseases such as Parkinson's.

Neurosurgery PA Combines Love of Music, Medicine, and Science

AAPA - American Association of PA

📅 07/2028
🔗 <https://www.aapa.org/news-central/2020/05/neurosurgery-pa-combines-love-of-music-medicine-and-science/>

Neurosurgery PA show how Healthcare can promote creativity, innovation, inspiration, and healing

Scientist Studies the Healing effects of music on the brain

Rocky Mountain PBS

PBS

📅 09/2016
🔗 https://www.youtube.com/watch?v=AzlbjtmHyTg&ab_channel=RockyMountainPBS

Scientist **Dr. Christophe Jackson** study the healing effects of music on the brain.

Multitalented PA Bridges Medicine and Music

NCCPA

📅 02/2024
🔗 <https://www.nccpa.net/news/multitalented-pa-bridges-medicine-and-music/>

Celebrating Black Excellence: Christophe E. Jackson PhD, DMA, MSPAS, PA-C is a Change Agent Through the Arts

Sound Health Network

University of California National Endowment for Arts Partnership

📅 08/2022 - Present
🔗 <https://soundhealth.ucsf.edu/content/christophe-jackson>

Dr. Jackson utilizes his expertise and experience medicine, science, engineering, and music to bridge the gaps between access to healthcare. However, outside of medicine, Dr. Jackson is a "musician at heart" having performed professionally as a classical and jazz pianist, keeping true to his New Orleans roots, in noted music venues throughout the country and overseas.