

Curriculum Vitae

Aaron A. Griffith, MS-c
 Biological Sciences
 Neuroscience
 Delaware State University

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 26 Split Rail Lane Newark, DE 19702

Education

- Aug 2021- Present Mississippi State University
Major: Kinesiology
- Aug 2018- Dec 2018 Delaware State University
Major: Molecular & Cellular Neuroscience, MS
 Thesis Project: Characterizing Internal and External Work of the Foot and Ankle Complex During Sports Specific Movements on Different Surfaces and Footwear Combinations
- Aug 2015- Dec 2017 Delaware State University
Major: Movement Science
- May 2013- Aug 2015 Delaware Technical Community College,
Major: Exercise Science

Research Experience/Educational Experience

- Aug 2021-Present Graduate Teaching Assistant
- July 2020- Present HX Innovations Inc, Research Assistant
- May 2019-Aug 2019 Assistant Lab Manager, Delaware Neuroscience Organization
- January 2019- Present Guest Lecturer, Delaware State University
- Aug 2018- Present Graduate Research Fellow, Bridge to Doctorate
- March 2018 Barry School of Podiatric Medicine Foot & Ankle Institute(Shadower)
- February 2018- June 2018 Graduate Level Lab Assistant
- May 2017- December 2017 Undergraduate Lab Assistant
- May 2016- Aug. 2016 Cardio Kinetics Intern

Honors and Awards

- 2018 LSAMP-Bridge to Doctorate Scholarship Recipient
- 2017 **Undergraduate Lab Assistant**, Delaware Neuroscience Research Organization
- 2017 Ida Mary Scholar Recipient
- 2015-2016 Deans List(s)
- 2014 Delaware Technical Community College Leadership Conference Recipient

Conferences Attended

- 2020 Emerging Researchers National Conference
- 2018 AMP Research Symposium and Mentoring Conference
- 2018 Society for Neuroscience
- 2017 8th Applied Human Factors and Ergonomics Conference
- 2017 Annual Biomedical Research Conference for Minority Students
- 2017 Black Doctoral Network Conference Inc.

2017 Mid- Atlantic Region Conference for The American College of Sports Medicine
 2016 ATI Physical Therapy

Skills

Microsoft office (Excel, Word, PowerPoint), R Studio (Limited Proficiency), Python (Limited Proficiency) SPSS, Functional Movement Screen (FMS), Electromyography (EMG), C-Motion Biomechanics, Neurophysiology, Kinesiology, Clinical Research, Market Research

Memberships

Phi Epsilon Kappa
 American College Sports Medicine MARC
 International Society of Biomechanics
 Society For Neuroscience

Certifications

Pediatric & Adult CPR/First Aid/AED

Invited Presentations/Speaker

“Utilizing Research to Open Doors” 5th Annual Health & Fitness Leaders Day April 5, 2019
 “Junior Achievement Career Fusion” Central Middle School Dover, Delaware May 19, 2017
 “EMG and Y-Balance Test for assessment of neuromuscular control of the lower extremities in collegiate athletes” Research Day April 15, 2019 Delaware State University

Published Abstract and Conference Presentations

Griffith A., Homer, V., Mason, RC, Kuperavage, A., Macko C., Macko R. (2018). Characterization of distal lower extremity balance measuring neuromuscular effort and amplitude probability distribution function in healthy and unhealthy neuromuscular systems.

Society for Neuroscience San Diego, CA

Griffith, A., Homer, V., Mason, RC, and Kuperavage, A. (2017). EMG and Y-Balance Test for assessment of neuromuscular control of the lower extremities in collegiate athletes. International Journal of Exercise Science Volume 9, Issue 6

Griffith, A., Homer, V., Mason, RC, and Kuperavage, A. (2017). EMG and Y-Balance Test for assessment of neuromuscular control of the lower extremities in collegiate athletes. Delaware State University Summer Research Symposium. Dover, DE

Griffith, A., Homer, V., Mason, RC, and Kuperavage, A. (2017). EMG and Y-Balance Test for assessment of neuromuscular control of the lower extremities in collegiate athletes. Black Doctoral Network Conference Inc. Atlanta, GA

Griffith, A., Homer, V., Mason, RC, and Kuperavage, A. (2017). EMG and Y-Balance Test for assessment of neuromuscular control of the lower extremities in collegiate athletes. Annual Biomedical Research Conference For Minority Students. Phoenix, AZ

Griffith, A., Homer, V., Mason, RC, and Kuperavage, A. (2017). EMG and Y-Balance Test for assessment of neuromuscular control of the lower extremities in collegiate athletes. Mid-Atlantic Region Conference of The American College of Sports Medicine. Harrisburg, PA

Morales, F., Reid, B., Williamson, N., Henry, C., **Griffith, A.**, Mason, RC, Homer, V. (2019). Examining the Efficacy of Insite Contour Insole and Work Shoe Combination on Neuromuscular Efficiency While Under Fatigue
Reid, B., Morales, F, Henry,C., Williamson, N., Edouard, L., **Griffith, A.**, Olsen, J., Mason, RC, Homer, V. (2019). Characterizing the Neuromuscular Effect Breast Have on Postural Stability in Healthy Women
Williamson, N., Mason, RC, **Griffith, A.**, Morales, F., Reid, B., Henry, C., Homer, V. (2019). Measuring blood oxygenation components of joint torque and muscular efficiency
Henry, C., **Griffith, A.**, Williamson N., Reid, B., Morales, F, Mason RC, Homer, V. (2019). Measuring Muscular Maximal Voluntary Contraction (MVC) of the Tibialis Anterior and Medial Gastrocnemius during Sport Specific Movements on Various Surfaces Shod and Unshod using EMG

White Paper(s)

Homer V., Anwar Z., Norris M., Mason RC., **Griffith A.** (2019). Building Return to Play Regression Algorithms from the characterization of Distal Lower Extremity Balance measuring Neuromuscular Effort and Amplitude Probability Distribution Function in Healthy and Unhealthy Neuromuscular Systems

Volunteer

2016 “The Movement” Community Clean-Up , Dover, DE
2015-2016 McCullough Middle School Basketball Coach
2014-2015 Food Bank of Delaware, Newark, DE
2012 Pencader Charter Girls Soccer Manager

References

Professor R. Christopher Mason
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Price Building 105B
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302.857.6703

Professor Von Homer
Director of the Motion Analysis Center
Barry School of Podiatric Medicine
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Dr. Melissa Harrington
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Director of Biomedical Research, Delaware State University
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