KYLE WASSERBERGER, MS, CSCS

I am currently a doctoral student in the Sports Medicine & Movement Laboratory at Auburn University researching mechanisms driving injury risk and performance in sport with an emphasis on baseball and softball players.

I am looking for a position that allows me to continue searching for the best ways to reduce the risk of injury and maximize athletic performance while collaborating with people across biomechanics, strength & conditioning, rehabilitation, & athlete development.

EDUCATION

2021 | 2018

PhD., Kinesiology
Auburn University (in progress) — Auburn, AL

- Dissertation: *The Effects of Throwing Intensity on Overhand Throwing Biomechanics - Implications for Throwing Rehabilitation*

2018 | 2017

M.S., Kinesiology; Biomechanics Emphasis
Auburn University — Auburn, AL

- Research assistant; Sports Medicine and Movement Laboratory

2016 | 2012

B.A., Exercise Science; Pre-Professional Emphasis
Calvin College — Grand Rapids, MI

- 4-year varsity baseball player

PROFESSIONAL EXPERIENCE

2017 | 2016

Assistant Varsity Baseball Coach
Calvin College — Grand Rapids, MI

- Pitching Coordinator

2017 | 2016

Head Strength & Conditioning Coach
Hofbauer Performance — Byron Center, MI

- Dry land training for hockey players
- Individual, small group, and team settings

RECENT PUBLICATIONS

External Rotation Weakness Partially Accounts for Increased Humeral Rotation Torque in Youth Baseball Pitchers
Journal of Science & Medicine in Sport

Glenohumeral & Hip Range of Motion in Youth Softball Athletes
International Journal of Sports Medicine

Using the Single-Leg Squat as an Assessment of Stride Leg Knee Mechanics in Adolescent Baseball Pitchers
Journal of Science & Medicine in Sport

UPCOMING PROJECTS

Kinetic Energy Generation, Absorption, & Transfer at the Shoulder and Elbow during Baseball Pitching
Examine shoulder & elbow joint loads during critical phases of the baseball pitch

Lumbopelvic-Hip Complex & Scapular Stabilizing Muscle Activation during Unilateral Dumbbell Carries
Assess the ability of unilateral dumbbell carries to increase stability and strength of the lumbopelvic-hip complex and scapular stabilizing musculature

Complete CV

CONTACT

kww0009@auburn.edu
kwasserb@gmail.com
kww_AU
github.com/kww-22
GoogleScholar

EQUIPMENT EXPERIENCE

- Motion Capture (Flock of Birds)
- EMG (Noraxon + Delsys)
- Forceplates (Bertec)
- Motion Capture (Vicon)

SOFTWARE EXPERIENCE

- The MotionMonitor
- R
- SPSS
- MATLAB
- Python
- Mplus
- Nexus
- Visual 3D

OTHER EXPERIENCE

- Scientific Writing
- IRB Preparation
- Report Generation (Rmarkdown)
- Yakkertech
- Rapsodo

Source code: github.com/nstrayer/cv.
Last updated on 2020-07-12.