JOB TITLE:

Performance Specialist

COMPANY:

Epic Sports Biomechanics
98 Walker Lane
Newtown, PA 18940
www.epicsportsbio.com

JOB DESCRIPTION:

Epic Sports Biomechanics, LLC. is offering an opportunity for a highly motivated individual to join our team as a Performance Specialist. This individual should have a strong working knowledge of baseball and softball biomechanics. The qualified individual will be responsible for performing all aspects of our biomechanical assessments including the use of our motion capture system, IMU-based three-dimensional motion tracking system, ground pressure technology, high-speed video capture, and ball-flight tracking systems. These assessments include physical evaluations such as the performance and grading associated with a Functional Movement Screen (FMS), flexibility/mobility assessments, athletic power & strength, athleticism profile, and injury-specific screens. The qualified individual will also be responsible for the design and execution of our one-on-one athlete-specific training programs that include baseball and softball skill optimization as well as strength and conditioning programs. Additional responsibilities will include taking an active role in the business development process, facility maintenance, and client retention.

This position will involve hands-on work with our clients during their training programs, skill assessments, and physical assessments. The qualified applicant can also expect to be involved in off-site team assessments and business development engagements. A biomechanics, kinesiology, biomedical engineering (or other similar engineering discipline), athletic training, and/or strength & conditioning background would be advantageous, as would prior experience playing or coaching any of our primary training sports (i.e. baseball and softball). A working knowledge of high-speed cameras (i.e. Edgertronic), ball flight technologies (i.e. Rapsodo, HitTrax, Trackman, etc.), motion capture and IMU sensor technologies would also be helpful but not necessary.

SPECIFIC JOB RESPONSIBLITIES:

- Execute one-on-one baseball and/or softball training programs

- Perform data collections of the biomechanical assessments across all sports

- Write novel computer code for post-processing large athlete data sets

- Analyze and evaluate athlete data sets

- Conduct and manage all stages of data processing

- Maintain facility equipment

- Schedule and organize client sessions

- Calibrate technologies and collect data

- Troubleshoot technological issues

- Maintain meticulous and up-to-date catalogs of data processing statuses as well as athlete training programs
- Assist in the preparation and delivery of biomechanical reports
- Remain abreast of technological advancements in biomechanics
- Conduct reviews of new and novel scientific literature

DESIRED APPLICANT CHARACTERISTICS:
- An educational background in engineering, large data set analytics, computer programming, and/or exercise physiology
- Experience playing and/or coaching baseball and/or softball
- Baseball or softball specific certifications from Rapsodo, Driveline, Armcare, OnBaseU, etc.
- A passionate self-driven and inquisitive personality focused on pushing the limits of sports biomechanics research
- A strong background in engineering concepts, statistical analyses, and coding (Matlab, R, Python, etc.)
- Well organized with prior experience collecting and analyzing large data sets
- Prior coaching experience or a strong working knowledge of baseball and softball skill training
- Strong verbal communication skills with the ability to deliver high-level concepts to those with little or no engineering background
- Possesses the ability to initiate research, and think through projects and problems independently
- A career-driven individual who prioritizes the strategic goals of the organization
- A passion for finding and analyzing objective scientific data to understand the movement patterns of athletic performance
- Prioritizes long term athletic development and injury mitigation over short term gains
- Capable of throwing short-box batting practice

PHYSICAL REQUIREMENTS:
- Perform general athletic activities such as catching and throwing baseballs, softballs, and medicine balls (4 to 10 lbs)
- Lifting and carrying 10 to 50 pounds
- Possesses the athleticism necessary to demonstrate various warmup, cool down, and corrective exercises
- Climbing ladders

APPLICATION PROCESS:

Interested individuals should submit their resume, a brief cover letter, and any examples of community contributions (i.e. blogs, publications, etc.) to ron@epicsportsbio.com. The cover letter should demonstrate the applicant's skills and interests in the area of sports biomechanics.

EQUAL OPPORTUNITY EMPLOYER:

Epic Sports Biomechanics, LLC is an equal opportunity employer. All qualified applicants will receive consideration without regard to race, creed, gender, marital status, sexual orientation, citizenship status, color, religion, national origin, age, disability, veteran status, or any other status protected under local, state, or federal laws. For employees and applicants for employment who have disabilities, Epic Sports Biomechanics, LLC provides reasonable accommodations.

CONTACT INFORMATION:

Ronald J. Fijalkowski, Ph.D.

ron@epicsportsbio.com | www.epicsportsbio.com | @epicsportsbio (Twitter & Instagram)

T: (888) 695-0020 | (215) 724-3933

Director of Sports Biomechanics

Epic Sports Biomechanics, LLC.

98 Walker Lane

Newtown, PA 18940

Director of Biomechanics & Human Factors, V.P.

ARCCA, Inc. | www.arcca.com

2288 Second Street Pike

Penns Park, PA 18943