

The New York Yankees Performance Science department is accepting applications for Biomechanics Analyst. Reporting to the department's Senior Analyst and working closely with the Senior Biomechanist, this individual will be tasked with executing the data analysis portion of ongoing research endeavors aimed at translating biomechanical data to actionable insights.

### ***Qualifications***

Applicants must hold an advanced degree in a branch of the natural and applied sciences (e.g., data science, statistics, mathematics, computer science, physics, engineering, etc.). The ideal applicant will demonstrate excellent analytical acumen and possess some familiarity with mechanical or biomedical engineering concepts.

### ***Primary Job Responsibilities***

- Analyze and model the relation between biomechanical (spatial time series) data and on-field outcomes
- Conduct research projects and athlete servicing tasks using biomechanical data sources
- Conceive metrics to optimally translate biomechanical information
- Prepare and disseminate research reports to both technical and lay stakeholders in Baseball Operations
- Interface with developers, analysts and coaches to optimize databasing, analysis and delivery of data
- Ensure continued application of best practices in data treatment and data analytics
- Conduct *ad hoc* analyses on other physiological datasets

### ***Technical Expectations***

- Strong proficiency in Python, R or Matlab required
- Experience using SQL preferred
- Demonstrated excellence in advanced data analysis
- Understanding of fundamental statistics and probability theory
- Exposure to the dynamics of three-dimensional motion will be beneficial
- Familiarity with signal processing theory will be beneficial
- Competence developing data visualizations to maximize the impact of analytical insights
- Ability to review and critically evaluate scientific literature
- Ability to perform data analyses that that would withstand peer-review in top tier journals

### *Administrative*

- Meticulous record keeping skills
- Strong organizational, interpersonal, verbal, communicational and technical writing skills
- Must show initiative and willingness to make decisions independently
- Ability to manage and complete multiple projects simultaneously
- Must be adaptable to the volatile schedule of professional sport
- Prepared to accommodate 7-day (February–March) and 6-day working weeks (April–October)

### *General*

- Innovative mindset and ability to think critically
- Ability to handle confidential/sensitive information and exercise sound professional judgment
- Ability to withstand high-pressure environment and strenuous professional baseball schedule
- Proficiency in Spanish is beneficial but not mandatory

This position will be based in Tampa, FL and the successful applicant will not be permitted to publish baseball-related research.

*This description is intended to describe the type of work being performed by a person assigned to this position. It is not an exhaustive list of all duties and responsibilities required of the employee. The New York Yankees are an Equal Opportunity Employer. The Company is committed to the principles of equal employment opportunity for all employees and applicants for employment.*