

Data Acquisition Engineer Job Description

Job Title: Data Acquisition Engineer

Location: Atlanta, Georgia

Job Type: Full-Time, Onsite 5 Days a Week

Job Summary:

Maven Baseball Lab is seeking a highly-motivated Data Acquisition Engineer with a broad range of software skills to join our team. The Data Acquisition Engineer will be responsible for developing, testing and maintaining Maven's athlete performance data acquisition and visualization platform.

Responsibilities:

- Own the platform that acquires, timestamps, and records synchronized video and force data for our biomechanics workflows.
- Integrate multi-camera SDKs (USB3 Vision/GigE Vision) and force plates (AMTI/Bertec/Kistler or DAQ).
- Design and validate hardware/software synchronization (TTL/Genlock/PTP).
- Build robust capture services and APIs for our app with live preview and health telemetry.
- Deliver reliable, lossless recording with session manifests and integrity checks.
- Test and debug applications to ensure smooth functionality across different devices and platforms.
- Work and collaborate in a team environment, communicating effectively with colleagues across multiple areas.

Qualifications:

- Bachelor's degree or equivalent experience in Computer Science, Engineering, or related field
- 5+ years in low-level C/C++ or Rust; real-time, multithreaded I/O.
- Shipped device integrations using camera SDKs and at least one force-plate or DAQ stack.

- Proven experience with time sync (PTP/NTP, GPIO triggers, or genlock) and performance profiling.
- Familiarity with HDF5/MDF4/C3D or similar scientific data formats.
- Ability to work both independently and collaboratively within a small team.
- Strong problem-solving skills and attention to detail.
- Strong communication skills and the ability to clearly articulate technical concepts.
- Experience working with cross-functional teams in a fast-paced startup environment.
- Passionate about baseball, technology or growing start-up companies.

Benefits:

- Competitive salary and performance-based incentives.
- Opportunity to work with cutting-edge biomechanic technology and with the best players in baseball.
- Opportunity to grow and expand your skills in a fast-paced, innovative environment.
- Collaborative and supportive team culture.