

Job Title: Automation Engineer

Hesperos is building an in-house automation team for the production of our biological testing platforms. We are looking for an experienced engineer with a background in automation and general mechatronic design.

Hesperos, Inc. is accelerating drug discovery by providing safety and efficacy testing of chemicals and novel therapeutics for the pharmaceutical, cosmetic, and food industries using its patented, Human-on-a-Chip platform. Bringing together biologists, surface chemists, and engineers, our team is producing some of the world's most advanced organs-on-a-chip platforms. From gene expression to electrophysiology, we recreate key components of organs in an interconnected, functional system. Chemically patterned microchips enable real-time, non-invasive monitoring of organ activity where we use sophisticated measurement techniques to detect minute changes. This breakthrough technology enables unprecedented visibility into specific disease states and how the human body will respond to treatment - something that previously required costly animal testing and human trials to determine. As a functional, interconnected, human surrogate, Hesperos' Human-on-a-Chip provides preclinical insight into the efficacy and toxicity of novel therapeutics.

This role will be self-driven and requires an applicant who takes joy in implementing and learning about automation technology.

In this role you will be responsible for:

- Designing and implementing new automation platforms to improve the throughput and quality of our production processes
- Assembly and qualification of custom automation platforms for use by operators
- Integration of automation platforms with OEM lab equipment
- Maintaining and updating existing automation platforms
- Working cross-functionally with our R&D team in order to generate requirements that solve real problems

Applicant must have the following qualifications:

- 3+ years of mechanical design experience with a 3D parametric CAD platform
- Intimate familiarity with common mechanical components including:
 - o Servo and stepper motors
 - o Pneumatic actuators and cylinders
 - o Rotary and linear motion components
 - o Extruded aluminum framing systems
- Advanced understanding of part fixturing and handling
- Working knowledge of common electrical components and electrical systems
- Working knowledge of software concepts including experience with programmable logic controllers (PLCs)

Ideally, the applicant will also have the following qualifications:

- Experience with common fabrication methods including 3-axis milling and turning
- Experience with embedded electrical systems including printed circuit board (PCB) design and embedded software development
- Experience with industrial robotics



How to Apply:

Send your resume and any relevant documents to Careers@hesperosinc.com

Visit our website (hesperosinc.com) to learn more about the company and leadership team.

We are an Equal Opportunity Employer with a commitment to diversity. All individuals, regardless of personal characteristics, are encouraged to apply. All qualified applicants will receive consideration for employment without regard to race, color, religion, gender, sexual orientation, gender identity, disability, or veteran status.