



Robotics Technician (Internship)

Company Description

Revolve is a biotechnology startup that builds DNA mutation libraries for researchers in academia and industry using its proprietary platform mutagenesis technology. Revolve technology produces user-defined libraries with industry-leading quality and turnaround time. Revolve leverages its technology platform for discovery of novel engineered proteins and biotechnology tools.

Location: Baltimore, MD

Start Date: Flexible

Job description

Revolve is seeking a highly motivated, organized, and proficient Robotics Technician to take ownership of all things related to our laboratory liquid handling robot. This includes running, servicing, and developing software to increase functionality and improve throughput. The ideal candidate will have significant programming experience and be able to work a minimum of 10-15 hours per week. The candidate must work well independently and in a small team setting. Flexibility to take on a range of varied responsibilities as required in the startup environment is critical. Compensation commiserate with experience.

Essential Duties and Responsibilities

- Translate laboratory protocols into scripts to run on robot.
- Spearhead effort to interface liquid handler with other laboratory equipment, such as thermocyclers and centrifuges.
- Service and maintain robot.
- Develop and maintain a code base of original programs and scripts.
- Prepare and present weekly progress reports to management.

Required Experience & Education

- Pursuing a bachelors or masters in biomolecular/medical engineering, computer science or a related field.

- Strong understanding of the fundamentals of computer science. Specifically, data structures and object oriented programming.
- Extensive scripting experience in Python.

Preferred Experience

- Hardware/software integration expertise. Specifically, experience with Raspberry Pi and Smoothieboard.
- Familiar with an array of programming languages, such as JavaScript, C++ and SQL.
- Strong background and expertise in molecular biology including cloning, bacterial and yeast culture and genetics, PCR, mutagenesis techniques, gel electrophoresis.

If interested, please contact elad@revolvebiotech.com with resume and cover letter.