JUNO TECHNICAL OPERATIONS SUMMER INTERN PROJECT 201801

Project Overview

At Juno, we are developing leading edge medicines to fight cancer. This intern project is for someone who is passionate about biopharmaceuticals and interested in working with a team of scientists and engineers in developing T cell based medicines. This automation engineering project scope includes developing and implementing automation system user interfaces, improving user experience, developing new and innovative features, testing/troubleshooting new programs, and enhancing analytical method performance.

Department/Location: Analytical & Process Development/ Juno Dexter, Seattle, WA

Project Assignment Time Period: May to September 2018 (exact start/end dates flexible)

Project Description and Responsibilities

Position Name: Automation Engineering Intern.

Project Description: Implement a general camera-based machine vision system to guide the setup and configuration of our analytical automation system. The project will involve developing software in C# to capture images, process the images and perform basic object recognition and verification. The software will need to be designed so that it can be easily trained for new object types and can be deployed to applications for different types of automation systems.

Impact:

Qualifications

• Currently a junior or senior pursuing a Bachelor’s or Master’s degree in Engineering, Computer Science, or related technical field

• Software programming skill using C#, Python, Java or MatLab

• Basic chemistry laboratory knowledge and skills

• A passion and curiosity and innovation

• The ability to thrive in a collaborative team

• Strong communication skills

 Deliverables by and Learning

Deliverables: machine vision control program requirements/specifications; machine vision software programs; final assignment technical report.

Learning opportunities: automation systems engineering, machine vision software skills, team work, general knowledge in biopharmaceutical analytics and automation.

Project Number: Juno-201801