

Mechanical Engineering Student Co-op (Systems Engineering)

Rec # 1029

Category: Engineering

Job Type: Full Time, Co-op

Location: Onsite – US – Michigan – Ann Arbor

Building tools to isolate cells and understand their behavior is what we do. Are you looking to push past traditional boundaries and scale your potential? We are growing and seeking talented people to help us make a difference.

Celsee, Inc., a privately held company in Ann Arbor, Michigan, is breaking through the traditional barriers of single-cell analysis and delivering clinical-grade technology designed to support the life sciences revolution and precision medicine. Based on a gentle, gravity-induced, micro-well isolation technique, the patented technology forms the foundation for a scalable and flexible single-cell analysis platform that makes more experiments feasible. Celsee's first product, the Genesis system, enables scientists to analyze and interpret cellular behavior and collect previously inaccessible information for improved results in applications such as proteogenomics, next-generation sequencing, immune monitoring, and cell therapy.

Summary:

Celsee is seeking a motivated student who has a strong interest in software development and life sciences. You will get the opportunity to:

- Work alongside a fast-paced development team.
- Help create new and powerful applications.
- Collaborate with software & firmware developers, system engineers, validation engineers, product management and customers to design and develop new applications.

Key Responsibilities:

- Creating tools, utilities and script development.
- Write clean, robust and maintainable code.
- Validating software quality through unit testing, writing manual test cases, executing test cases, and bug fixing.

Position Accountability/Scope:

Position reports to the Director of Engineering and works on all assigned tasks/projects that are within scope for the defined position.

Required Education and Experience:

- Currently enrolled as an undergraduate student pursuing a degree in Computer Science or a Computer Engineering
 - Graduating in 2020 or later.
 - Must have a 3.0 cumulative overall GPA or better (in a 4.0 scale).
 - Authorized to work in the United States without the need for current or future sponsorship by the company.
 - Preferred Sophomore or Junior Status.
- Strong coding skills in Python, C++.

- Strong understanding of developing on a Linux/Unix operating system.
- Experience developing in a distributed version control system (preferable Git).
- Preferred experience developing for Raspberry Pi.
- Exposure to Web & Cloud technologies is a plus.
- Exposure to Embedded Systems Development is a plus.
- Able to work for a minimum of 10 consecutive weeks.
- Strong initiative and ability to work independently and in teams.
- Inspire collaboration, be a curious question asker, driven and self-motivated.

Work Environment:

Most work is performed in an indoor office, engineering lab and biochemistry wet lab environment.

Physical Demands:

Occasional lifting of up to 50 pounds.

Other Duties:

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job. Duties, responsibilities and activities may change at any time with or without notice.

How to Apply:

For consideration, please submit CV & salary requirements to careers@celsee.com, mention the job description in the subject. No phone calls please. Only qualified candidates will be contacted.

Celsee is an equal opportunity employer, and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status or any other characteristic protected by law.