



Detecting Pathogens at the Speed of Light

Data Analytics Engineer Internship

Summer 2020

PathSensors, Inc., a growing biotechnology company headquartered in Baltimore, Maryland. The company develops products for the rapidly evolving field of pathogen detection. We are currently seeking qualified candidates for a Data Analytics Engineering Intern position. The successful candidate will be responsible for working with the PathSensors' Engineering, Development, and Commercial teams to analyze, evaluate, and model experimental and commercial data produced by the company's exclusive CANARY® biosensor technology.

Company:

PathSensors, Inc. develops and manufactures systems for the rapid detection and identification of bacteria, viruses, and toxins. The company's CANARY® technology utilizes a unique cell-based biosensor for pathogen detection. The technology is currently deployed for a wide range of biodefense, food and plant pathogen test applications. In addition, the company is constantly expanding its range of product markets, including the development of assays for emerging pathogens and emergency diagnostics. For more information, visit: <http://www.pathensors.com>.

Job Description:

Applicants must be able to work both independently, and as part of a team, on assigned projects and assist others in laboratories and engineering projects as needed. Position responsibilities may include the following:

1. Use statistical methods and programs (such as Python or R) to analyze data.
2. Use available software to create analytical and computational models for visualization of data and generate engineering reports.
3. Create, test, and evaluate the Python-based software used in the new PathSensors diagnostic system.

The assigned project will be determined by the candidate's qualifications and interests.

Qualifications:

1. Experience with data analysis and visualization (mathematical and computational modeling preferred).
2. Experience using Python or R to create statistical analyses.
3. Experience using Microsoft Office products for data acquisition, mainly Excel and Word.
4. Ability to think critically and create solutions to engineering problems.
5. Ability to help design experiments, interpret data, and prepare final reports.
6. Ability to work in a team environment.
7. Highly organized, able to manage workflow, and multi-task between multiple projects.
8. Experience using project management software preferred.



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9. High attention to detail.

Applicants should submit a resume and cover letter to the Johns Hopkins University Handshake posting for the specified position when it becomes available in early January 2020.