Job Description

Job Title: Machine learning / Data science intern

University Hiring Program Eligibility Requirements:

- University Enrollment: Must be currently enrolled in and returning to an accredited degree-seeking academic program in the Fall.
- Internship Work Period: Must be available to work full-time (approximately 40 hours per week) during a 10-12 week period starting May or June. Specific start dates are shared during the recruiting process.

Primary Function of Position:

We are seeking a self-motivated intern to support our ML Research team in projects focused on surgical data science, operating room analytics and intelligent systems. Work will include analyzing large clinical datasets, developing ML algorithms for video and time-series data, and creating large-scale batch and/or real-time pipelines with data processing frameworks. This role is an exciting opportunity to join a newly formed team and contribute to its future growth and it will give you an opportunity to test your knowledge in a challenging problem-solving environment.

Roles & Responsibilities:

The intern will:
- Research, design and implement algorithms in deep learning for computer vision and time-series data.
- Implementing data analysis tools and methods for large scale clinical datasets.
- Contribute to research projects that develop a variety of algorithms and systems in computer vision, image and video analysis.
- Work with an existing vision and ML data pipeline and toolset and improve aspects of it.
- Analyze and improve efficiency, accuracy, scalability and stability of currently developed systems.

Skills, Experience, Education, & Training:

- Graduate-level study in computer science, electrical engineering or robotics with emphasis on computer vision and machine learning.
- Publications in top-tier conferences/journals.
- Experience building systems based on machine learning and/or deep learning methods.
- Experience working with large datasets and building data analysis tools.
- Strong hands-on Python/MATLAB skills.
- Strong hands-on experience with deep learning frameworks such TensorFlow, PyTorch, and Caffe.
- Good hands-on experience with the state-of-the-art deep learning models for image/video understanding and pose estimation.
- Good hands on experience with data visualization and analysis tools.
- Self-starter and able to work in a collaborative and results oriented environment.