Job Description

Job Title: Computer Vision / AI 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 developing prototype methods to model, detect and localize activities occurring in long videos. Work will include image/video understanding and activity recognition algorithms based on unique clinical datasets and state-of-the-art deep learning and computer vision methods. More specifically, areas of research including but not limited to multi-modal, unsupervised, and semi-supervised video understanding will be targeted. 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:
- Develop spatio-temporal action recognition methods based on unique clinical datasets (multi-view RGB-D) and deep learning algorithms.
- Develop new and/or improve previously developed video/image semantic segmentation methods
- 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.
- Strong hands-on C++/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 computer vision algorithms and libraries.
- Self-starter and able to work in a collaborative and results oriented environment.