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 Computer Vision, Deep Learning and Image/Video Analytics and contributing to new technology development in the area of 3D scene understanding/reconstruction and spatial AI systems for next generation robotic surgery platforms. 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 image analytics
- Contribute to research projects that develop a variety of algorithms and systems in computer vision, image and video analysis
- 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.