

Internship and Post Doc Opportunities on Computer Vision and Machine Learning Research - Xerox

The Xerox Research Center Webster is seeking interns and post docs to perform research in the areas of Video Processing, Computer Vision and Machine Learning. For this position, we are interested in utilizing knowledge extracted from information in video and digital images to provide new capabilities central to our future business strategy. With the acquisition of Affiliated Computer Services (ACS), Xerox has a significant business in areas such as transportation services, health care, surveillance, and education. Research in this area, for example, can include identification and extraction of information from real-time video streams that provides the capability to direct or inform applications as part of an overall intelligent transportation/surveillance network, or aid in efficiency of a healthcare system. There are also research opportunities in areas of video synthesis for education, video processing on mobile platforms, compressive sensing and several other related areas.

Applicants must have a solid mathematics background with a focus on one or more of computer vision, pattern recognition, image/video processing and analysis including compression and multi-spectral applications. The candidate is required to be highly creative, out of the box problem-solver, capable of proposing novel solutions to problems and working to refine those solutions in a real-world context. The candidate will collaborate closely with other R&D scientists and engineers in developing and implementing solutions in a multi-disciplinary work environment.

The applicant should also have strong skills in software engineering with expertise in current programming and analysis languages to generate prototype demonstrations of the research work. Examples include Matlab and C/C++ libraries such as OpenCV. Real-time programming skills are a plus.

Requirements:

- A PhD candidate in computer science, computer/electrical engineering, or other related areas.
- Experience in research and development in advanced analysis, image/video processing, machine learning with a focus on information and content identification and extraction.
- Strong analytical, written, and verbal communication skills

Resumes should be emailed to Robert.Loce@xerox.com ASAP.

In addition to post docs at any time and interns for summer 2013 , we are also specifically seeking the following:

- Intern starting soon and running possibly up to May 2013
- Post doc starting soon and running until October 2013