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Job Description

Computational Photography/Video Algorithms Intern - 752786

Description

Intel Labs is seeking a motivated intern to join our Systems and Software Research (SSR) Lab. We are currently accepting applications for a computational photography/video algorithms intern.

The successful candidate will be part of a research initiative underway at Intel in computational imaging and displays and will work with research staff in Intel Labs to contribute to that project. The candidate is expected to be a highly self-motivated individual with effective communication skills and ability to work in a dynamic work environment with colleagues with diverse backgrounds. The candidate is expected to fit into the team and collaboratively contribute to an existing project and its research goals.

In this internship the candidate will develop, test, and deliver optimized computational photography/video algorithms that drive future Intel platforms. Also, will perform research and development in computational photography and computational video algorithms for novel imaging systems. Such systems can include arrays of cameras, plenoptic cameras, and camera systems that actively scan the environment.

The candidate should be well versed in aspects of computer vision, image processing and imaging systems that are foundations of computational photography and video. Ideally, the candidate should be familiar with current research in computational photography/video algorithms and have implementation experience in this area and in real-time algorithms.

Ideal candidates must be willing to relocate to the Santa Clara, California area for this position and must exhibit the following behavioral traits:

- Strong interpersonal and communication skills to closely work with wide variety of disciplinary backgrounds.
- Positive, "can do" attitude, infectious enthusiasm and confidence
- Willingness to take calculated risks and stretch to achieve ambitious goals
- Strong analytical and logical problem-solving skills paired with wild creativity

- Excellent written/verbal communication and presentation skills

Qualifications

Minimum Qualifications:

- * Must be pursuing a MS or PhD in Electrical Engineering, Computer Science or related fields.
- * Must have at least 1 year of experience/coursework in the following:
 - Knowledge and fluency in C/C++
 - Computer vision algorithms and computational photography and video
 - Development environments and tools in Microsoft Windows and/or Linux including OpenCV.

The ideal candidate will also demonstrate the following:

- * Experience in developing novel computational photography/video algorithms and applications
- * Experience in real-time algorithms
- * Experience with image processing and imaging systems

Job Category: Engineering

Primary Location: USA-California, Santa Clara

Full/Part Time: Full Time

Job Type: Student/Intern

Regular/Temporary: Temporary

Posting Date: Jan 22, 2015

Apply Before: Apr 22, 2015

Business Group: Intel Labs is the company's world-class, industry leading research organization, responsible for driving Intel's technology pipeline and creating new opportunities. The mission of Intel Labs is to deliver breakthrough technologies to fuel Intel's growth. This includes identifying and exploring compelling new technologies and high risk opportunities ahead of business unit investment and demonstrating first-to-market technologies and innovative new usages for computing technology. Intel Labs engages the leading thinkers in academia and industry in addition to partnering closely with Intel business units.

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