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Job Description

Research Scientist - Computational Display - 752415

Description

Job Description: Initiates the design, development, execution and implementation of scientific research projects to fuel Intel's growth in the areas of computing, communication, technology and manufacturing and new business opportunity. Investigates the feasibility of applying scientific principles and concepts to potential inventions and products typically 7+ years prior to landing on a product roadmap. Plans and executes laboratory research. Maintains substantial knowledge of state-of-the-art principles and theories, and contributes to scientific literature and conferences. May participate in development of intellectual property. May coordinate interdepartmental activities and research efforts.

The successful candidate will perform research and development in computational display systems. Computational displays are novel 3D display systems that more closely reproduce reality than existing 3D displays, to the point that they are often perceived to be holographic. The candidate should have deep knowledge of computer graphics algorithms, optics, and human perception that form the foundations of computational display research, along with familiarity with current research in computational display systems. The candidate must be comfortable in creating new prototype display systems from components and technologies that are not readily available "off the shelf." We seek a proven track record in researching and developing novel computational display systems. The successful candidate will develop, evaluate and deliver prototype computational display systems that will be research platforms for Intel to develop future architectures and algorithms to support such displays.

The successful candidate will demonstrate:

- * Passion not just for conducting research but also for turning ideas into reality and impacting Intel and its customers.
- * High tolerance for a dynamic work environment with rapidly changing priorities
- * 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

Intel Labs is seeking a motivated researcher to join our Systems and Software Research (SSR) Lab. We are currently accepting applications for a computational display researcher.

This is a full-time position. Compensation is competitive and will be commensurate with experience. Candidates must be willing to relocate to the Santa Clara, California area for this position.

You must possess the below minimum qualifications to be initially considered for this position. Preferred qualifications are in addition to the minimum requirements and are considered a plus factor in identifying top candidates. Experience listed below would be obtained through a combination of your school work/ classes/ research and/or relevant previous job and/or internship experiences.

Minimum Qualifications:

- * Ph.D. in Electrical Engineering, Computer Science or a related field
- * Demonstrated knowledge and fluency in software development and hardware prototype development
- * Strong background in computer graphics algorithms, optics, and human perception, and a strong understanding of how existing computational display research combines those to develop novel display systems.
- * Proven track record of developing novel computational display systems

Preferred Qualifications:

- * Knowledge of psychophysics and 3D visual perception

Job Category: Engineering

Primary Location: USA-California, Santa Clara

Full/Part Time: Full Time

Job Type: College Graduate

Regular/Temporary: Regular

Posting Date: Jan 21, 2015

Apply Before: Apr 21, 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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