Imaging Systems/Software Engineer

Imaging Asset team

The Imaging Asset Team researches, develops and tunes image processing algorithms for the digital send and copy pipelines for a variety of Scanner and MFP products. In doing this, we work closely with mechanical, electrical, ASIC, firmware and software development teams. We are looking to hire a new imaging systems engineer.

The person who fills this position will . . .

- Work on products delivered by a variety of different organizations, including VEP-MFP, VEP-Capture, TPS, BPD, etc.
- Participate in assessing new or improved image processing algorithms for visual quality, memory usage, and speed.
- Participate in setting the tuning parameters of the image processing pipeline to ensure release-quality copy and scan output.
- Design, develop, troubleshoot and test code (using Agile methods) in C/C++ and C#. In Jedi, CPB, and Sirius firmware in addition to PC-based libraries.
- Be the component lead for several embedded firmware (Jedi) components used in Multifunction Printers (MFPs) and Network Scanners.
- Develop software for use in PC-based scanning applications.
- Develop software for use in Server-based image processing applications.
- Troubleshoot and debug complex image processing pipelines.
- (optionally) Represent the Team in product management meetings as an Imaging Lead.

Qualifications

Education and Experience Required:

- A Bachelor's degree in Computer Science, Image Science, Color Science or similar discipline with a minimum of 5 years of applicable experience.
- A Master's degree in any of the above disciplines is desirable.

The following skills and attributes are required:
- Problem solving—the ability to analyze a complex system to determine ways in which to debug and fix a failure or to improve its performance.
- Working knowledge of image processing techniques and algorithms.
- Normal vision with respect to color and visual acuity.
- C/C++ design and development expertise; preferably experience also with C#.
- Proven ability to work well in a team environment.
- Effective communication, teamwork, and organizational skills.
- A positive, can-do attitude.
- A desire to provide the best product possible to HP's customers.

The following skills are not required, but would be helpful in fulfilling the requirements of this job:

- Experience with image processing.
- Knowledge of color science principles.
- Familiarity with different types of scanner technology (i.e., CCDs, performance measurements, calibrations)
- Knowledge of printing technology (i.e., halftones, calibration)
- Experience with DSPs and/or SIMD instruction sets
- Familiarity with image file type formats such as PDF, TIFF, or JPEG.
- Linux-based scripting experience.

If you are interested, please apply via Job Searcher (job #464307) and send your résumé to Michael Stuart <michael.stuart@hp.com> .