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Requisition No: E1879350

Augmented Reality Test Engineer Intern - Corp R&D Vienna, Austria

Job Function: We are looking to recruit an Intern for a 4 mth assignment from Jun - Sept 2010. Prime responsibilities will be system integration and test.

Qualcomm is taking its traditional strengths in digital wireless technologies in exciting new fields such as Augmented Reality and Computer Vision. The Corporate R&D Systems Test and Integration team builds and tests prototype systems for new technologies. Team members will interact closely with systems engineers and software developers in our Corporate R&D Vienna team. The scope includes concept reviews, system implementation, tuning, testing, and demos. Candidates should be flexible in their work assignments as priorities can change quickly in this fast paced environment.

Skills and Experience:

- The Test Engineer Intern must have a good understanding of Augmented Reality and general computer vision enabling technologies.
- Candidates must be able to evaluate SDK functionality and AR prototype applications through testing, logging, and analysis.
- Candidates must be able to create testing environments using software and hardware tools.
- Candidates must be able to develop test procedures, execute tests, and isolate problems. -- Ideally, the candidate should have knowledge in several of the areas listed below:

Augmented Reality:

- Experience with hands-on laboratory implementation, verification and optimization of augmented reality applications.
- Understanding of natural feature based AR.
- Familiar with detection and tracking testing techniques.
- Real world test experience with AR systems.

Computer Vision:

- Experience with hands-on laboratory verification and optimization of real-time computer vision applications.
- Understanding of natural feature detection and description algorithms like SIFT, SURF, and FERNS.
- Understanding of 2D and 3D tracking algorithms.
- Strong communication and interpersonal skills required.

Additional Skills:

- Should be familiar working with and testing applications on Windows XP, Windows 7, Windows Mobile, Linux, and Android.
- Exercise interfaces, compile and test code modules in C/C++
- Should be able to work with Matlab.
- Understanding of image processing and computer graphics.
- Should have great interest in new technologies and willing to learn.

Education: BS or MS student in Electrical or Computer Engineering (preferred) or Computer Science. Please include graduation date and grades in your resume.

To be considered for this vacancy, follow this link http://www.qualcomm.com/careers/how_to_apply.html create your profile and upload your CV (including details of your project work to date) and cover letter search for vacancy E1879350.

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