

Image Processing Engineer – GE Intelligent Platforms

I am a 2007 graduate of the Center for Imaging Science and I would like to post a job opportunity in GE Intelligent Platforms in Huntsville, AL. We are looking for an engineer with an image processing background and at least a few years of experience. The details are below:

Business Segment

GE Intelligent Platforms (Huntsville, AL)

About Us

At GE Intelligent Platforms, we're sustaining the advantage. From our global water purification projects to our automated controls in the latest unmanned aerial vehicles, the GE Intelligent Platforms teams are turning their expertise in software, hardware, automation and embedded computing into leading products and services that solve our customers' toughest challenges. Join our growing global organization and you'll find yourself part of a goal-oriented team, working in a fast-paced, inter-functional environment full of professional challenges and opportunities to advance. If you're a highly motivated self-starter who brings leadership and enthusiasm to everything you do, then join GE in creating the next generation of products that will improve the lives of consumers for generations to come.

Essential Responsibilities

- Develop image processing applications on a wide variety of embedded platforms using Intel CPU, nVidia GPU, DSP and Tiler multi-core chipsets
- Work with customers to develop quick turn-around capability demonstrations both at customer sites and at trade shows
- Customer interaction for requirements definition
- Work collaboratively with the UK team on the use of generic platforms, cores and interfaces
- Maintain a disciplined development approach following best practices regarding code maintenance and delivery
- Provide recommendations to improve and extend technology cores and platforms

Qualifications/Requirements

- Bachelors Degree in Technology / Engineering, preferably Computer Science
- A minimum of 3 years experience developing video, image processing, radar processing or similar applications
- A deep understanding of real-time system concepts, architectures and operating systems
- Authorized to work in the US and gain required security clearances

Desired Characteristics

- Masters Degree in Technology / Engineering, preferably Computer Science
- Demonstrated project management skills and ability to take ownership for on-target delivery of projects
- Strong documentation and code management approaches
- Strong customer-facing abilities – ability to listen to and understand customer requirements and translate the requirements into a technical proposal
- Strong team-working ability and communication skills (virtual team experience)
- Experience developing video, image processing or other high-bandwidth sensor applications on embedded platforms
- Experience with Matlab, Mathworks Simulink Toolset and auto-code generation
- DSP development experience
- Multi-core processing experience (GPU, Tile, etc) is a plus
- Knowledge of operating systems such as VxWorks, WindRiver Linux
- Experience with data protection, specifically an understanding of working within the restrictions of the ITARs
- DO-178B/254 safety critical systems

Relocation expenses are not included but compensation is very competitive, especially if the applicant has experience in creating software for GPU and CUDA processing architectures or some of the other desired characteristics. If anyone has similar experience to the requirements, please contact me by email. For more information on our products, please see the following web link: <http://defense.ge-ip.com/products/applied-image-processing/c423>. Thanks.

Joseph Handfield

Software Engineer

GE Intelligent Platforms

Applied Image Processing

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