

Subject: In response to your job application for:Algorithm Engineer-Colorado Springs, CO

From: "Richard" <richard@sti-world.com>

Date: 4/7/2014 10:17 AM

To: <walter.goedecke@phenocryst.com>

CC: "richard" <richard@sti-world.com>

Hi

This is **"Richard"** from STI. We got your application for one of our opening **"Algorithm Engineer-Colorado Springs, CO"**. Please find the job description below. Your quick response will be highly appreciated. **Make sure your Skill Set, Experience and justification for the job must be well demonstrated in your updated resume, otherwise client will assume that you are not qualified for the job, even if you are.**

<u>Must Provide The Following Information Requested</u>	
Job Title	Algorithm Engineer-Colorado Springs, CO
Total Number of Years experience required	4 – 6 Years
Salary Range for this Job	\$115K - \$150K
Job Responsibility	<ul style="list-style-type: none"> • Write and test MATLAB code, algorithms and applications for our products • Provide simulation, modeling, and analytical support for product development • Evaluate alternate/improved sensor processing algorithms to enhance system functionality • Prototype software designs in MATLAB, transition to C++ code, and support demonstration efforts • Engineer, may provide support for systems engineering, project management and business development
<u>Educational requirement for the Job</u>	<u>Explain if you meet each requirement?</u>
MS or higher in Engineering. (i.e., Aerospace, Software, Electrical, Computer), Physics, Mathematics or related technical discipline; or a BS with advanced studies and 3+ years related career path	
<u>Skills required for the Job</u>	<u>Explain if you meet each requirement?</u>
Knowledge on Matlab, C++, Kalman Filters, Stochastic models, algorithms, GPS/GNSS and inertial navigation	
Implementation of algorithms using general purpose processors for real-time applications	
Spatial processing algorithm development	

Digital signal processing and systems	
Signal acquisition and tracking loops (PLL, DLL, FLL, MLE, KF)	
<u>Experience required for the Job</u>	<u>Explain if you meet each requirement?</u>
3+ years of experience in highly proficient programming skills in MATLAB and C/C++	
3+ years of experience in guidance and control navigation, satellite system operations (including fundamental aspects of HW, SW and algorithms) and GNSS receiver architecture	
3+ years of experience in estimation theory and adaptive filters (e.g., Kalman filters and Stochastic models	
3+ years of experience in statistical Signal processing and Adaptive Signal processing	
Experience working with GPS/GNSS and inertial navigation receivers and inertial measurement units	
Any additional experience	
Why do you think our client would hire you for this job? What unique skill set or experience do you have to set you apart from the other applicants?	
What is the reason that you are looking to leave your current position?	
Citizenship /Work Authorization	
Availability	
Current / Previous Salary	
Salary Expected	
Open for relocation(Yes/ No)	
Rate your candidacy at a scale of 1-100, 100 being the exact match to client requirements (Example- If you have 9 out of 10 required skillset/requirements, rate yourself 90)	

Thanks

Richard

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Systems Technology International

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