Dr. Kiron Mateti

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March 7, 2016

Dear Ms. Meagrow,

I saw an advertisement for an Embedded Software Engineer on glassdoor.com, and I would like to be considered for a position at the Ph.D. level. While satisfied with my current position as a Research Scientist for the Navy, I am looking to move to Pennsylvania to be closer to family while also exploring work in the commercial sector.

With the Navy, I have applied my strong academic background in control systems to electro-optic and infrared systems, and developed embedded software and hardware experience relevant to key elements of the position at JBT. I developed knowledge of Extended Kalman filters through computer vision object tracking systems and also loosely coupled navigation systems used in target geolocation algorithms.

In my attached resume I give examples of projects that have utilized software written in C/C++ involving optical communication links and embedded video tracking systems. Through these projects, I have experience developing in both a Windows environment, using Microsoft Visual Studio and Code Composer Studio, and also in Linux environments using gcc/g++. In other projects I have also created networked video streams using Raspberry Pi and Android devices using mjpg-streamer in Python. Although I have the most experience in Matlab/Simulink and LabView, I have demonstrated proficiency in multiple object oriented languages, C++, Python, Java, and Visual Basic for Applications, that show I can adapt to any new language that is required.

I would like to interview for this position over the phone, and I am available during the week between 11:30-12:30 and also after 4:30 PM. Please let me know if you need any further information.

Very Respectfully,

Kiron Mateti