



4601 N Fairfax Dr Ste 1200 • Arlington, VA 22201 • suerego@deeplearninganalytics.com • <http://www.deeplearninganalytics.com>

DECEMBER 17, 2015

Joshua Ryan Smith

Dear Joshua, as part of the interview process for your position at Deep Learning Analytics, we are providing you with a Jetson TK1 to complete an “interview challenge.” By accepting this Jetson TK1, you agree to 1) attempt the challenge to the best of your ability 2) document your solution and 3) return the Jetson TK1 for verification and evaluation of your solution.

Outline of the Deep Learning Analytics Interview Challenge:

The goal of the Challenge is for you to demonstrate a complete deep learning system on the Tegra on the hardware you have been loaned. Demonstrating such a machine learning system will require skills in:

1. **data science problem formulation** (defining what problem are you solving, e.g.),
2. **devops** (installing an operating system, drivers, a codebase and dependencies, etc.),
3. **wrangling** (choosing, downloading and preparing data to demonstrate training and testing a system that addresses the problem, e.g.),
4. **analyzing** (demonstrating training and testing, e.g.), and
5. **communicating** (describing the results in the context of the current state of practice with respect to deep learning in associated documentation, e.g.).

The entire process should be documented to sufficiently highlight design choices made as well as provide perspective on how your solution compares with existing or competing approaches. When you have completed the project, please return your Jetson TK1 to Deep Learning Analytics. Deep Learning Analytics will evaluate all aspects of the solution. If you have questions about what is OK or not, please ask. This is not intended to be an insurmountable challenge. We are here to help.

In accepting this challenge, you agree that this work will be your own. You are free to use the resources developers commonly rely on to solve problems like these, including 1) documentation 2) forums 3) web searches 4) manuals 5) posted solutions to parts of problems 6) online examples 7) online tutorials, etc.. If you have a question about whether a resource is appropriate to use for your “interview challenge”, please ask. As an example, it is **not appropriate** to ask someone else (paid or otherwise) to solve the problem for you.

In accepting this challenge, you represent that you are legally free to undertake such an “interview challenge” and will not disclose any proprietary information that may be protected by existing agreements (such as those with an employer, e.g.).

In accepting this challenge, you acknowledge receipt of the Jetson TK1 with:

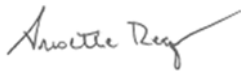
- Part Number **940-7R375-0001-000**,
- UPC Code **50438-00545**,
- Serial Number **0322415119485** and
- MAC Address: **00044B48FB68**.

In accepting this challenge, you agree to return the Jetson TK1 for verification of your solution and documentation. Deep Learning Analytics will cover the costs of shipment back to Deep Learning Analytics headquarters. The challenge can typically be completed in a few days, and we anticipate you should be able to complete the challenge within two weeks of receipt of the hardware (i.e. two weeks from the date below).

I, Joshua Ryan Smith, agree to all of the above terms.

Signature _____ Date _____

Warm regards,



Susette Rego
COO, Deep Learning Analytics