

ECEN 5053-003 Developing the Industrial Internet of Things

Hands on with IBM Bluemix

Description

The purpose of this assignment is to give you hands-on experience with the IBM Bluemix platform.

This assignment is for extra credit. As such, you can think of it much like an independent study. I will provide some introductory information, but it is up to you to decide the details of what work you do.

Three documents are provided to help get you started:

- Getting Started with IBM Watson
- Lab1 Create a Toolchain
- Lab2 Face Recognition

Both of these labs create web pages as the “Application”. Lab2 ties in Watson’s facial recognition service. These labs serve as an introduction to the platform, which is extensive and ever growing. You will see as you navigate the Bluemix environment and create applications, the system offers many tutorials to help you along. In addition we have found IBM’s help ticket system responsive and useful.

The assignment:

Spend time exploring IBM Bluemix capabilities. Build some sample applications, explore, tinker, experiment, learn. Write a 4- to 5-page paper - ***but no more than 5 pages of words***. The length can be extended beyond 5 pages to include code, pictures and diagrams. In this paper write about:

- What you did, and
- What you learned

with a focus on how the Platform adds value. Think about this from the perspective of owning a company (perhaps a manufacturing business) and you want to improve operational efficiency.

Remember to include your name and the number of hours you spent. The grading rubrics are intentionally not defined. I’m looking to you to impress me.

To turn in to the dropbox: 1 PDF file.

Note: On Lab2, if you have trouble connecting the nodes, I have included a .json (Java Script Object Notation) file that can be imported into the NODE-RED editor to construct your flow. I include this in case you get stuck. But I encourage you to attempt to construct the flow yourself first. If then you are having troubles, then import the .json file.

Attention: If your paper consists of nothing but following the documents I provided, you will receive 0 points.