***AZURE PROJECT 1***

**“The Why”**

The purpose of this project was to create, secure, and deploy a virtual network using Azure and Docker. To me, this project was not only about learning new technologies but also about getting a feel for what it is like to work in the field under pressure and having to figure things out on our own. Even though this project was demanding and difficult, I feel that I learned a great deal about cloud virtualization and security and also how to persevere through the stress and difficulties of a project which is applicable to our future careers.

The first part of the project once completed, uses the public IP address of the Load Balancer to direct HTTP web traffic via port 80 to Web-1 which has a private IP address and hosts the web-dvwa. In the second part of the project, we added the ELK server and ran the script to pull down sebp/elk which collects, search and visualize log data with Elasiticsearch, Logstach, and Kibana, we then added port rules to allow ports 22, 5601, and 9200 to communicate between Web-1 and ELK, This was to enable Web-1 to push logs over to ELK.