**ALEXA, WHO IS AT THE DOOR? - AN AMAZON ALEXA AND RASPBERRY PI PROJECT THAT ALLOWS A USER TO KNOW WHO EXACTLY IS KNOCKING AT THEIR DOOR USING FACIAL RECOGNITION.** **\*Taofeek Obafemi-Babatunde.** Morgan State University, Department of Electrical and Computer Engineering, Baltimore, MD 21251.

          Security and accessibility are major concern in today's world. “Alexa, who is at the Door?” is an Amazon Alexa skill set that utilizes Raspberry Pi and Firebase along with a facial recognition API to let you know who is knocking at your door. After Alexa gets the approval to take a picture of the visitor’s face, it sends a command to the Raspberry Pi to take a picture of them using the camera module. The picture is then processed through a facial recognition API called “Kairos” which then determines whether the face is recognized, unknown, or not there at all. After Alexa is taught a new face, the person is given a name by the user which is then saved in the database. It can be re-taught several times in each occasion that the visitor comes to your home. This way, the visitor’s face can be recognized in different conditions such as brightness, darkness, or a slight change in appearance of the individual. This also improves Alexa’s speed at which she recognizes each new friend that is added to the database. Successful completion of this project enhances the skillset of Amazon Alexa and improves security.