

For my research project this summer I focused on IoT security, I spent the first few weeks just reading different articles and blogs about it. I have no background in the area and had no idea where to start but the more I looked into the less information became accessible about the variety of issues. There are articles which say a few concerns that are the most important and how to fix them then there are others that say a different set of vulnerabilities are the ones that are the most concerning. I also found that those articles were not clearly stating who they were directing the articles at. Some solutions given were clearly for companies or people with resources to purchase more protection for IoT devices. I wanted to create a guide for users to help guide them based off of what they are looking for with IoT use. The two most common places to find IoT devices is in homes or businesses, I started trying to make a decision tree so it easy to choose what path to take but that was not working well so then I moved on to making a guide. I made two guides one for businesses and one for homes, in each guide I have a list of hack that seem to be the most common and threatening right now. Each guide has the definition of the hack, why it is concerning to the user type, what they can do to prevent the malware from infecting their system and the negatives of the solutions I presented. I finished both of the guides and have attached them to the press page of my website.