INTERNSHIP WITH CACI

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ABOUT CACI

- CACI provides business systems, communications, space operations and resiliency, communications technologies and surveillance, and reconnaissance solutions
- CACI serves the US Department of Defense, government, and commercial markets
- Employees: 23,000
- Operates in North America and Europe
- CACI is headquartered in Reston, Virginia

MY FIRST TASK

- I was tasked to make Rubber Ducky (HID) scripts that would make the instillation of software automated, and anyone would be able to setup the software with no experience.

HOW I ACCOMPLISHED IT

- Going through installation processes to see how it worked and creating the scripts at the same time.
- C++ Win forms GUI
- A few features are:
  - Data Structure that stores
  - Usernames and settings
  - Ducky compiler built in
  - All scripts can work together no matter the order.

CHALLENGES

- Web Based compiler
- Global scope with Ducky Script

MY SECOND TASK

- Login to a website with post requests then upgrade the HTTP connection to a Web socket then send commands to the server through the Web socket using python.

HOW I ACCOMPLISHED IT

- I used python and the libraries such as requests and socket.io to send http requests to the server with payloads to get access to the website and to send command through.

CHALLENGES

- How JSON works in python

EXPERIENCES GAINED

- A more working knowledge of C++ for windows and how to make GUIs using win forms.
- Understanding Rubber Ducky Script and the power than can have
- Relearning python and being able to send Web requests/web sockets with custom headers and how payloads work

KNOWLEDGE USED FROM SCHOOL

- How Networks talk to each other when sending headers and requests
- All C++ course taken help with creating the GUI