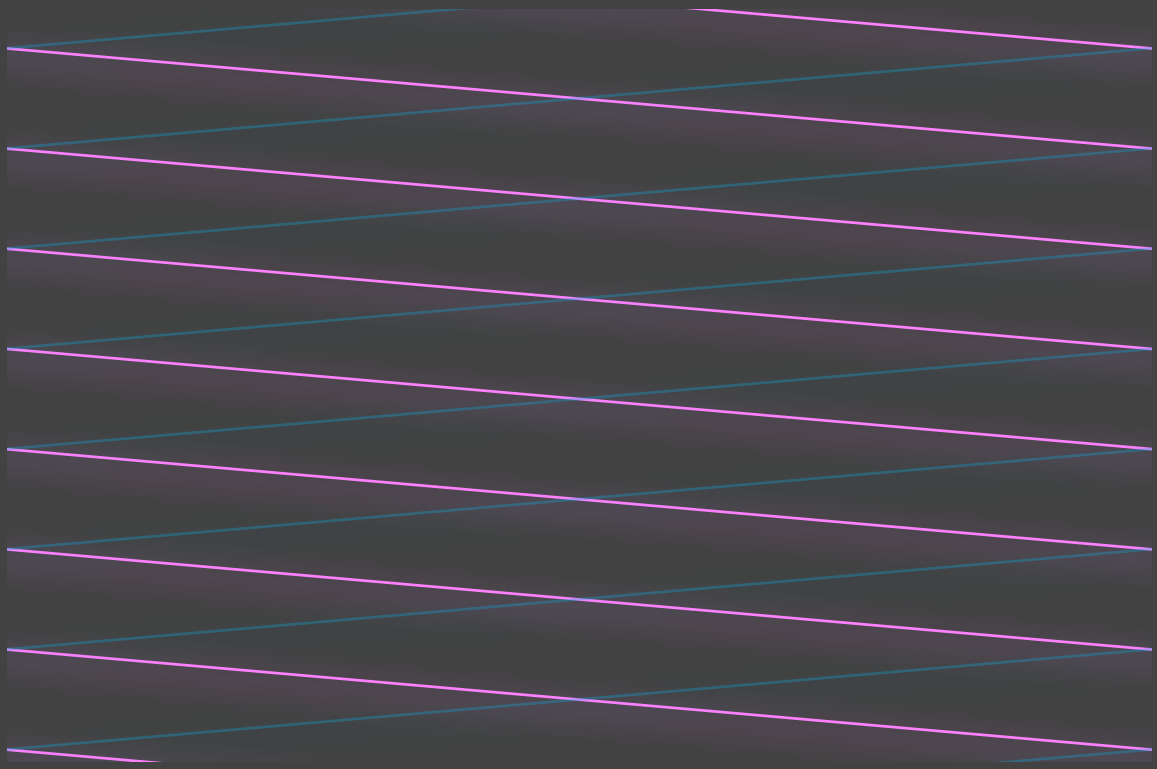

CORNELL HACKING CLUB

SPONSORSHIP PACKET

WHO WE ARE

We are a group dedicated to understanding, deconstructing, and ultimately breaking systems in order to advance computer and network security. Our goal is to create a space where Cornell students of all disciplines can gather to crack open complex networks, and create some of their own.

The most common definition of hacking is gaining unauthorized access to a computer. We prefer Paul Graham's definition:

> To programmers, "hacker" connotes mastery in the most literal sense: someone who can make a computer do what he wants—whether the computer wants to or not.

We have two subgroups: one with the purpose of educating the Cornell community on the importance of cybersecurity and cyberethics, and one team that will compete in and host hacking competitions.

Our general meetings are 120 students strong. The sub-team is small, but growing as students gain more experience.

EDUCATION AND OUTREACH

Cybersecurity's importance cannot be overstated. If our data is to remain safe, we need not only experienced white hats, but an informed general population as well. We plan to host information sessions and discussions with cybersecurity professionals from Cornell and beyond. Cornell Hacking Club will be the voice on campus for increased computer safety and cyberethics.

We present weekly tutorials with the aim of teaching students the skills needed to look at computer systems critically. This involves teaching the fundamentals of how computers operate (such as the intricacies of how packets flow through a network) and exploring common tools familiar to hackers (including follow along examples in a Virtual Machine environment).

For example, our most recent tutorial focused on how Nmap, a network scanning tool, functions. Beginning with the basics of networking, we proceeded to cover how servers are interconnected on a LAN, an overview of UDP, TCP, SSL - iteratively building up to a live DIY demo where students manually wrote code to initiate a ping with a single port. After understanding what Nmap is doing, they were able to experiment on the club's subnet. Now they are equipped with the ability to recognize if their network is being scouted out for an attack and respond accordingly.

COMPETITION AND BUG-HUNTING

Hackers are naturally competitive, and that's why Capture the Flag Events (CTFs) are so popular. A CTF is a series of challenges involving a secured server and a team trying to break into it. An alternate game mode involves each team attacking an opponent's server while defending their own.

Our members have competed in CTFs such as secu-inside, boston key party, hack.lu, and nuit du hack. A specialized team within Cornell Hacking Club practices specifically for these and future competitions. In addition to participating, we also plan to host a Cornell based CTF. Hosting a CTF, other than being incredibly fun, gives students exposure to the excitement and value of cybersecurity.

Our skills should be used for good, and one way to do that is Bug Hunting. Bug Hunting is searching for vulnerabilities in a company's system. If found, we report the bug to the company so they can patch it. It lets us cut our teeth on real world systems and it means that the corporation's data is now more secure. We participate in frameworks such as Facebook's White Hat, Google's Vulnerability Reward Program, and Bugcrowd.

SPONSORSHIP

With additional funds, we'll be able to pursue projects we could only dream of today. Here are some tools that would prove invaluable to us.

SOFTWARE

IDA Pro
Burp Suite Pro
Metasploit Express
Nexpose Express
Maltego
OWASP Zed
CORE Impact Pro
Acunetix
CANVASS
Nessus

HARDWARE

Raspberry Pi's
WiFi Routers
Packet Injection Capable Network Cards
Remote Servers for Penetration Testing Labs
Magstripe Reader/Writer
Fully Programmable USB Keys
RFID Writer

MISC

Travel Expenses
Hosting a CTF
Books & Educational Resources

SPONSORSHIP TIERS

DIAMOND SPONSOR — $5000+

-We will host a Cornell Hacking Competition with you listed as a Diamond sponsor
-All Gold, Silver and Bronze rewards

GOLD SPONSOR — $1500

-We will host a talk by a prominent member of the cybersecurity field with you listed as a Gold sponsor
-All Silver and Bronze rewards

SILVER SPONSOR — $700

-Your logo on all Cornell Hacking Club apparel and on any hardware we purchase with these funds
-All Bronze rewards

BRONZE SPONSOR — $500

-Your logo and a link to your recruiting page on the front of our website
-Access to the team's resume book

IF YOU'RE INTERESTED, PLEASE CONTACT

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