Week 0
SIGPwny Info Session

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What is SIGPwny

Why were we yelling at you at Quad Day?

SIG   Pwn   y

Special

Interest

Group

Popular computer
security term

Like 'own'

So we can have the
cool unicorn logo

What is SIGPwny

Computer Security Club at UIUC

Largest Subgroup of
ACM@UIUC

Don't talk to me or my child ever again

Run by undergraduates

Open to **everyone**

Two Meetings / Week !

This is new >:)

Traditional Thursdays

15 Minutes Talking, 45 Minutes Doing

SIGPwny Seminar (Sat/Sun)

1 + hours talking, many hours doing

What is Computer Security?

What is this club actually talking about?

Computer Security 101

- Breaking or protecting technological systems (computers)
- Huge Industry
- Refer to [these slides](#) or [these slides](#) for more info on what computer security is.

whois SIGPwny

Who are we and what we did this summer

Name	Tag	Role	What we did this summer
Thomas	Thomas (Sonicninja)	President	Pentesting [REDACTED] at Plante Moran
Chris	Chris (2much4u)	VP / Head of Research	Vulnerability research on [REDACTED] at REDLattice
Anusha	Anusha (HelloCA)	Admin	AI at IBM
Nathan	Nathan (tow_nater)	Admin	Full Stack at John Deere
Faisal	Chief	Admin	Running own / family business
Grace	Grace	Admin	??? At ???
Pranav	Pranav (etalerni)	Helper	SWE at Raytheon Technologies (worked w radios and stuff)
Anakin	Spamakin	Helper	SWE at [REDACTED] Startup

What are alumni doing?

Name	Tag	What they did this summer
Ian	ian5v	Webapp security @ Leviathan
Ravi	Ravi	PhD at MIT CSAIL
Kuilin	kuilin	PhD @ sslab (Georgia Tech)
Ankur	Ankur (Arxenix)	Security work @ Leviathan
[REDACTED]	[REDACTED]	[REDACTED] @ NSA

How do I join SIGPwny

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You already have!

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You already have!

sigpwny.com/auth for access to @uiuc role in Discord

What we will and won't do

This is important so listen up

You will

Learn how to think with a security mindset

Learn how to look for vulns in systems

Lean about the subcategories of security

Learn practical security skills

Find a network of friends and colleagues

You won't

Hack your friend's facebook accounts!

Be a 1337 hax0r (praise anonymous /s)

Break into computers without **explicit permission**

Learn this super quickly or easily

Opportunities

We have a lot

Research

1 Credit hour

Do a security project

Write a paper

We give you credit

Projects

pwnybot

Fuzzers

Network Environment Templates

Challenge Development Templates (chal.dev)

Come up with a project

Manage sigpwny.com / sigpwny server

BugBounty, Pwn2Own

Generally Invite Only (within the club)

Do research on real software

Potentially find 0days (new vulnerabilities)

Make money???

Social Events

Questions?

If not lets go get food :)

Next Week

Thursday: SIGPwny Tutorial!

- Compressed Version of Info Session + this meeting!
- Social event afterwards (food!)

Weekend Seminar: Important Terminal Commands

- grep, file, xxd, find, nmap, tmux, vim, r2, gdb
- All of which will be valuable during CTF (and all the time)