Most common hack Phishing. Get interested in phishing.

Age when he was aware – high school. Find a vulnerability with a website, found stories first. Computer science student, does hacking competitions.

x-punks – assembly code game

Make it physical. You are an entity and need to break into somewhere.

Tower Defense – different attackers coming towards you, add a firewall to the router.

Like overcooked, how long can you last.

Blue teaming – defending from hackers, setting up firewalls, protecting your network.

You could be a business or a bank or nuclear facility.

Phishing, sss, bufferoverflow, sql injection

Scariest things:

* Database links – leak database and passwords.
* How much intelligence people can gain from you online, can dox really easily online
* Encryption – make sure you encrypt things

Simulating a network and you are protecting your network

Start out pretty simple and get more complex eventually

References:

Mental outlaw, cbt nuggets, google phishing game, curbol, haveibeenponed, virustotal

Zero days – exploit is found but hasn’t come out yet

Websites to search for vulnerability databases. Patching. Making sure you can defend yourself from those exploits.

Diner dash – with a network instead, you have to do all these tasks and you have to protect yourself from hackers.

Established a shell on your network, what do you do?

Passwords – they choose easy to guess passwords, just type every single key on the keyboard

Top thousand most commonly passwords

Email password most important one, you can reset your bank

App permissions – collecting gps, video, audio

Cookies – leak info, keep a lot of data about you, other sites can grab that stuff, xss – javascript, put malicious code into website. You can put payloads into the input.

Tour is overhyped, a lot of state sponsors hackers

Scheduled attacks – can take a whole month, doesn’t show up in scans

Digispark – automatically open up a terminal and run stuff