Our Sponsor

HackUTK

- UTK's ~~only~~ best cyber security organization

- Meetings every 2 weeks

- Competitions at every meeting

Our Board

- **Chris Dean**
  - President
  - Senior, CS
- **Parker Gensheimer**
  - ???
  - Senior, CS
- **Andrey Karnauch**
  - Treasurer
  - Senior, CS

- **Berat Arik**
  - Communication / Marketing Director
  - Senior, CS
- **Saeed Beztchi**
  - Advisor
  - Senior, CS

Schedule

- September 25th - Cryptography
- October 9th - Bruteforcing vs. Phishing
- October 23rd - Buffer Overflows
- November 6th - Sockets/Packet Sniffing
- November 20th - Cross-Site Scripting (XSS)

Meeting Proceedings

- ## First 10 Min
  - Go over Competition results
- ## Next 20 Minutes
  - Go over security topic
- ## Next 20 Minutes
  - Security Practice Problems
- ## Last 10 Minutes
  - Go over next competition

- ## First 10 Min
  - Go over Competition results
- ## Next 50 Minutes
  - Company talk
- ## Last 10 Minutes
  - Go over next competition

In-Club Competitions

- Every **2 weeks** relating to content covered in previous meeting
  - i.e. First competition will run from **Sep 25 - Oct 9** and will be cryptography related.

- Prizes for **1st, 2nd, 3rd** place
  - You must be present to win

Capture the Flag

- Security competitions

- Goal is to find the "flag"

- Wide range of problem types

Example Question Types

- Recon - Discovery of data
  - Finding a flag in the file system,...
- Vulnerabilities and Exploitation
  - Exploiting race conditions, Buffer overflow, Memory issues...
- Forensics - Gathering hidden data
  - Steganography, Restoration of file headers,...
- Cryptography
  - Classical ciphers,...

CTF Intro

http://overthewire.org/wargames/bandit/

Simple Examples

- Grep
- Find
- Strings
- Base64

Thanks for Coming!