

CSCD 303 Past Student Projects

Projects – Code and Other

Keyloggers --- plus testing it with roommates and other folks to make sure it works
Re-created EWU sign-in page – sent in a phishing email – proof of concept
Wrote a virus or two
Encrypted files – wrote their own and tested it against some well known tests
Wrote a Cipher generator
Wrote an intrusion detection system
Created an Educational Game
 Jopardy and other games
Jail-broke phone, installed some security software
Emulated a portable hotspot with raspberry pie
Injected payload into .pdf using Metasploit
Compared different buffer overflow possibilities with several languages
Social engineering – survey, plus used an RFID scanner to copy faculty proxy card
Facebook survey – Analyzed data by age and gender
Investigated privacy of facebook games
Dumpster diving – plus some other followup work

Reports

Cyber warfare
Various hacker groups – by country and type
Cloud computing Security – some aspect of it
Intrusion detection – some aspect of it
Privacy – something specific
Rootkits - Windows

Suggestions

Wi-fi security
Detecting anomalous behavior
Phone malware
Phone privacy and compromising it
Facebook and other social media security
 Scams, their policies, cooperation with federal or other law enforcement
Comparing security software – how effective it is ...
Ransomware – state of the art, where are we now?
Your own ideas