Jack Potter

319-239-8709   jack@hackpotter.com   www.hackpotter.com

OBJECTIVE
To apply my knowledge and interest in cyber and physical security during an internship or co-op

EDUCATION

Iowa State University, Ames, IA   Expected 2020
  B.S. in Computer Engineering, Minor in Information Assurance   GPA: 3.01/4.00
DEF CON Hacking Conference Attendee   **'13, '15, '16, '17, '18**
Black Hat Security Conference Attendee   **'18**

WORK EXPERIENCE

CLOUD SECURITY INTERN – John Deere, Ames, IA   **APR '18 – Present**
  • Audited Amazon Web Services resources and security policies to ensure security and reliability of cloud systems
  • Developed approximately 10 Python scripts to automate audit processes and enforce security guidelines
  • Researched and developed containerized active defense systems for network security using Docker and ADHD Linux

TEACHING ASSISTANT (CYBER SECURITY FUNDAMENTALS) – ISU, Ames, IA   **AUG '18 – Present**
  • Lead 70 students through weekly hands-on networking and security labs, explaining core concepts
  • Manage up to 700 virtualized student lab machines across 70 virtual networks with VMware vCenter
  • Assist students with troubleshooting problems and guide them to discovering solutions independently

DEVELOPER – Iowa State University Biology Department, Ames, IA   **FEB '17 – DEC '17**
  • Designed and implemented game features into *MetaBlast*, an educational video game used by biology
    faculty in Bio 212 at ISU, used by hundreds of students per semester
  • Wrote, documented, tested, and maintained C# code including algorithms for gameplay and animations

PERSONAL PROJECTS

Social Engineering Capture The Flag at DEF CON 26   **JUN '18 – AUG '18**
  • Performed online open source intelligence gathering against target (major US airline) and employees
  • Wrote 5 pretexts using principles outlined by Mitnick and Hadnagy to establish rapport and justify contact
  • Collected 10 flags and other information that could be used for malicious actions
ConditionOne – Python-based screen scraper and personal scheduling tool for DEF CON hacking conference

SKILLS

Operating Systems – Linux Shell (Arch, Fedora Workstation, Ubuntu Server), Windows, some Mac OSX and FreeBSD
Networking – Network setup, management, and auditing, using tools including Wireshark and Nmap
Programming Languages – Python, Java, C#, C, Verilog
Security and Virtualization Tools – Metasploit, VirtualBox, vCenter
Physical Security – Experience picking locks, knowledge of manual lock bypassing (shimming, under-door tools, etc.),
                knowledge of electronic lock weaknesses (thermal/motion sensors, badge cloning)
Social Engineering – Pretext development, extensive reading of fundamental literature
Open Source Intelligence Gathering – Experience performing intensive online reconnaissance campaigns

ACTIVITIES AND LEADERSHIP

  • ISU Cyber Defense Competition, '16, '17, '18
  • ISU Information Assurance Student Group '16 - '18
  • SecDSM security organization meeting attendee, '18
  • ISU Fall Hackathon, '17
  • ISU Engineering Student Council Member, '17 - '18

  • ISU Freshman Leaders in Engineering
    o President '17 -'18, Executive Board '16 - '17
    o Fundraising volunteer, '16 - '18
  • Tang Soo Do Karate, 2nd degree black belt
  • Volunteer with Food at First free meal service, '16, '17