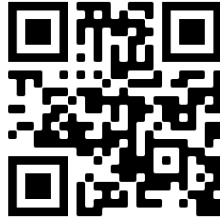## OUR MISSION

We provide customized training workshop (called SEED workshop) to help participants improve their hands-on skills in cybersecurity and help professors incorporate hands-on activities into their cybersecurity curricula. We serve customers from educational institutes, government agencies, and companies. Our target audience is

- Professors
- Software developers
- IT personnels

The duration of the workshop can be from 2 to 5 days, with the contents being customizable based on the needs. The training is based on the widely used SEED labs developed by us, and will cover a wide spectrum of the attacks, defense, and security principles.

CONTACT US

Wenliang (Kevin) Du, Ph.D.
Professor at Syracuse University
CEO of SEEDLabs Workshop, LLC
Email: wedu@syr.edu

SEED WORKSHOP

ENHANCING HANDS-ON SKILLS IN CYBERSECURITY

SEEDLabs

Sample Program

SEED Labs

Hands-on Labs for Security Education

40 hands-on labs
20 years of effort
free for educational use
Used by **1000+** universities/colleges

Day 1 (Web Security)
    Lab Environment Setup
    Cross-Site Scripting Attack
    SQL Injection Attack
    CSRF Attack
    Shellshock Attack

Day 2 (Software/Hardware Security)
    Software Security Basics
    Buffer-Overflow Attack
    Capture-the-Flag
    Race Condition Attack
    Meltdow/Spectre Attack

Day 3 (Network Security)
    ARP Cache Poisoning
    TCP Attacks
    Mitnick Attack
    DNS Attacks
    Heartbleed Attack

Day 4 (Network Security)
    IoT Attacks
    Virtual Private Network
    Firewall
    BGP Attacks

Day 5 (Crypto and Mobile)
    Public-Key Infrastructure
    Hash Collision Attack
    Android Repackaging
    Android Rooting

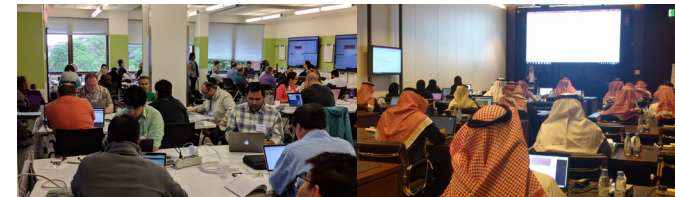Agenda can be customized based on the needs and participant backgrounds.

Learning by doing!

Feedback

"Dr Du was exceptional in delivering the workshop lectures. His efforts all throughout the workshop were amazing."

"This workshop allows me to develop better understanding on security problems at both hands-on and theoretical levels."

"The topics provided by the workshop are both representative and timely,"

"Prof Du has developed an excellent program that makes incorporating new labs into the classroom seamless."

We have held workshops in USA and Saudi Arabia, and trained over 400 professors.