Design, Build, Attack

Expanding Competition-Based Learning to High School

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About Us

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Capture the Flag

Cybersecurity Club @ Florida State University
Photo: http://cybersecurity.cci.fsu.edu/
What Makes the eCTF Different?
Embedded Systems
Design, Build, Attack

Design Phase

Attack Phase

Handoff
Real-World Scenarios

- Smart Door Lock
- ATM Machine
- Self-Driving Car
- Drone Delivery
- Video Game Player
- Avionics
What Students are Given

- Functional Requirements
- Security Requirements
- Hardware
- Example Software
- Deadlines
- Organizer Support
My eCTF Story
Why Does the eCTF Work?
Open-Ended Challenge

Promotes Creativity  No Right Answers  Deep Technical Depth
Realistic Attacks

Real Scenarios  Real Designs  Real Complexity
Social Connections

Mentorship

Collaboration

Competition
DACC’s eCTF Story
See https://youtu.be/Zck-9_1LfHo for Eli Cochran’s video presentation

^ Note the underscore _
Getting Involved

As a participant

As a collaborator

As an industry Partner
Thank You!

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