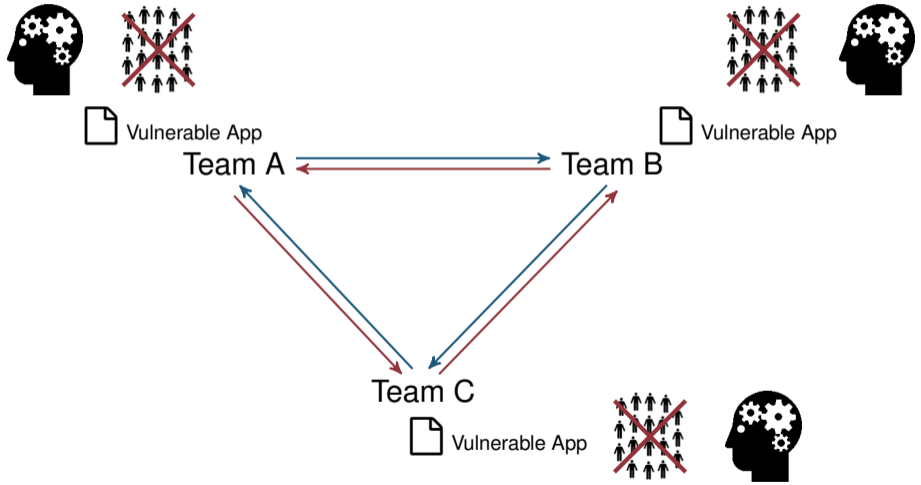


Sang Kil Cha



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- Leader of SoftSec. Lab.
- Director of CSRC (Cyber Security Research Center)



AI is Software

AI is a program that takes in an input and returns an output.

Software Security is the Key

Software is everywhere and most security problems stem from software issues.

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Software is everywhere and most security problems stem from software issues.

So you need to learn software security!

Key Takeaway

Not every programmer needs to become a security expert, but every programmer should know software security principles.

Common Misconception about Security

Many people think that security researchers are like a *hacker*. But what is a hacker?

Hacking Simulation!?

`https://hackertyper.net/`

Magical Things?

Computer security (or hacking) is ***not*** a magic.

Course Overview

- **Approach:** learn fundamental security principles with an emphasis on software.
- **Target Audience:**
 - One who has basic understanding of programming.
 - Students who have *taken CS230*, or have equivalent knowledge/skills.
- **Topics:**
 - Why software is insecure?
 - How attackers can exploit insecure programs?
 - How does malware work? and how to combat it?
 - How should we protect software systems?
 - And etc.

The Most Important Thing: Academic Integrity

Any solution you submit (quiz, exam, etc.) must be your **own** work.

No cheating, no plagiarism.

If you violate this rule, you will immediately get an F, and possibly get expelled from the university.

