
CS 5430

Course Wrapup

Prof. Clarkson
Spring 2017

Thank you!

Thank you to TA and consultants!

*Eleanor Birrell, Paul Chesnais, Eliza Kozyri,
Matthew Li, Justin Lu, Gur-Eyal Sela*

And a huge thank you to all of **you!**

What did we learn?

From the syllabus:

"CS 5430 discusses security for computers and networked information systems. It focuses on principles and techniques for implementing military as well as commercial-grade secure systems.

The practicum, CS 5431, sits at the intersection of computer security and software engineering. It is designed to give students practical experience with building a software system and securing it."

Important ideas

- Security can be based on principles
- Security is an engineering tradeoff
- Articulating your goals should precede choosing your mechanisms
- Crypto hacking is maybe fun, certainly dangerous

What next?

- Follow-on courses:
 - CS 4830 or 6830 Cryptography
 - CS 6832 Applied Cryptography
 - CS 5414 Distributed Computing Principles
 - CS 543x Various electives out of Cornell NY Tech
- Join the course staff?
 - CS department collects applications
 - Apply in December 2017 to be on staff for Spring 2018

Course evaluation

- Fill out the course eval for around 1% of final grade
- Take time on this, especially the free response questions

Finally

Anything you build is likely to be broken...

...build awesome systems anyway
and evangelize security to the rest of your team!

Upcoming events

- [today] Last regular office hours for all course staff, more will be scheduled on Google calendar for Mon-Wed next week
- [today] A6 due
- [Tuesday 5/16] Review session, 7-9pm, Gates G01
- [Thursday 5/18] Final exam, 9-11:30am, Hollister B14

The three golden rules to ensure computer security are:

- 1. do not own a computer;*
- 2. do not power it on; and*
- 3. do not use it.*

– Robert Morris

THE END
