Course Wrapup

Prof. Clarkson
Spring 2016
Thank you!

Thank you to TA and consultants!

Kevin Sekniqi, Laura Herrle, Tania Tocalini, Sandeep Vanka, Richard Zhang
Thank you!

Thank you to Piazza heroes!

Top Student Contributors

Gur-Eyal Sela 53 contributions; 108 days online
Karthik Venkataramaiah 22 contributions; 71 days online
Justin Lu 22 contributions; 93 days online
Andrea Lin 20 contributions; 68 days online
Pramook Khungrun 15 contributions; 64 days online
Thank you!

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 like sex on a rollercoaster: maybe fun, certainly dangerous
What next?

• Follow-on courses:
  – CS 5434 Defending Computer Networks
  – CS 543x Various electives out of Cornell NY Tech
  – CS 4830 or 6830 Cryptography
  – CS 6832 Applied Cryptography

• Join the course staff?
  – CS department collects applications
  – Apply in December 2016 to be on staff for Spring 2017
Course evaluation

• Fill out the course eval to get +1% bonus to grade
• Take time on this, especially the free response questions
Finally

Anything you build is likely to be broken...

...build awesome systems anyway.
Upcoming events

• [Wed] Clarkson: final open office hours, 2-4 pm
• [Thur] Clarkson: update: no office hours because of Slope Day
• [Monday] Final exam

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