Lecture 4 Readings

Logic bombs, viruses, anti-virus software, worms, phishing, browser attacks.

1 Readings

• Digital carjackers show off new attacks, YouTube, July 24, 2013.
• 20 notorious worms, viruses and botnets, CSO, October 30, 2012
• Significant Cyber Incidents Since 2006, published by the Center for Strategic and International Studies (CSIS), September 2013.
• Reflections on Trusting Trust, Ken Thompson’s 1984 Turing Prize acceptance speech. He shows how easy it is to inject a virus in a compiler.
• Internet of Things security is so bad, there’s a search engine for sleeping kids

2 Optional Resources

• Chapter 4 of Introduction to Computer Security
• Graphical illustration of World’s Biggest Data Breaches
• [Krebs on Security] The Target Breach, By the Numbers, by Brian Krebs, May 14, 2014
• Safeguard your code: 17 security tips for developers by Peter Wayner, COMPUTERWORLD, February 4, 2013.
• The State Department’s approach to cybersecurity is so innovative and effective that companies are clamoring to copy it, Wall Street Journal, September 26, 2011.
• What to Do if You’ve Been Hacked Among the surprising advice: Don’t shut down the computers, Wall Street Journal, September 26, 2011.
• McAfee Threats Report
• 2016 Threats Predictions, McAfee Labs