the threat of CYBERCRIME

ANNUAL DAMAGE TO COMPANIES

- An average of $15.42 million & as much as $65 million lost per company in the US
- Up to $575 billion in total losses globally
- 200 thousand lost jobs in the US

47% of American adults had their personal information exposed by hackers

Time to resolve attacks is growing: 14 days vs. 46 days now

There are 80 to 90 million+ cybersecurity events per year, with close to 400 new threats every minute, and up to 70% of attacks going undetected

SIGNIFICANT HACKS OF 2014 & 2015

- Anthem Health Insurance
  - 80 million patient records accessed including SSN #s, addresses and financial info
- Internal Revenue Service
  - 300 thousand people affected several years' worth of tax returns and other information
- US Office of Personnel Management
  - 22.5 million people exposed former and current govt. employee records including financial info, fingerprints, health records and security clearance information
- Ashley Madison
  - 37 million accounts exposed hackers obtained and released seven years' worth of names, addresses, phone numbers and financial information including those of multiple federal officials

PROJECTED EMPLOYMENT OUTLOOK FOR INFORMATION SYSTEMS SECURITY

Average annual salary for a computer network security analyst:

- California: $102,460 or just under $50/HR
- National: $91,210 highest among computer related jobs

The number of computer network security analysts will skyrocket 37% from 2012 to 2022 by 2019, the global cyber security market will be worth $155.4 billion

Information Systems Security Certificate Program
extension.uci.edu/infosec