

### Columbia (SC) Alumnae Chapter

### Delta Sigma Theta Sorority, Inc.

Technology

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° STAYING SECURE IN THE MODERN AGE

#### Agenda

- Background
- InfoSec vs Cyber
- Staying Safe
  - Text Messages
  - Email
  - Computer Pop Ups
  - Social Media
- Mobile App Security

- Age of Data
- Passwords
- Your Personal Computing Devices
- Emailing Tips
- Real Life Hacks
- Helpful Sites

#### Background

- Almost a decade experience in Information Technology (IT) and Information Security
- Held executive positions as an organizations most senior cybersecurity employee (Chief Information Security Officer).
- Currently overseas all Information Technology for a State agency as their Chief Information Officer.
- Currently in the SC National Guard's Cyber Protection Battalion
- BS in Cyber Security and Information Assurance
- 17 Information Technology and Cybersecurity certifications



# Information Security

Primary concern is protecting the confidentiality, integrity, and availability of the data

## Cybersecurity

Primary concern is protecting against unauthorized electronic access to the data

#### Staying Safe: Text Messages

- Receiving random text messages from unknown numbers (or saved contacts!)
- **Spoofing Numbers**
- Spam calls 5.6 billion spam calls where received by Americans During February 2021! prnewswire.com)

1,477,179,609 Robocalls per week

1,255,602,667 Robocalls during weekdays

221,576,941 Robocalls during weekends

211,025,658 Total Robocalls per day

146,546

2,442

Total Robocalls per minute

Total Robocalls per second

#### Top 10 Area Codes Flooded by Robocalls

These are cities scammers, robocallers, and telemarketers targeted the most in September.

	Area Code	City	Spam Calls
1	209	California	55,449,436
2	740	Ohio	55,425,204
3	936	Texas	53,698,071
4	520	Arizona	51,831,160
5	864	South Carolina	50,212,704
6	843	South Carolina	48,870,052
7	937	Ohio	47,516,236
8	928	Arizona	47,277,345
9	760	California	46,948,328
10	830	Texas	46,504,756

Staying Safe: Email

Bottom line – "not expecting it, delete it".

Only open attachments and links from addresses you know

Real phishing email example

Emails on Phones = Most Dangerous

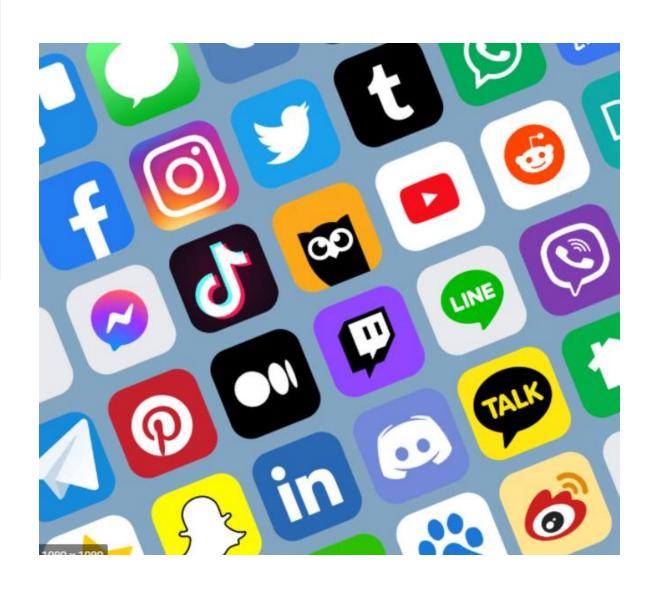
### Staying Safe: Computer Pop Ups





Staying Safe: Social Media

- Posting sensitive information
- Pictures
- \*Real World Picture Example
- Data on Social Media





### Age of Data

- "Whoever has the most data wins"
- Surveys
- Online Games
- Giving away "free" stuff (information)
- Why so valuable? Data drive market

Number of Characters	Numbers Only	Lowercase Letters	Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters	Numbers, Upper and Lowercase Letters, Symbols
4	Instantly	Instantly	Instantly	Instantly	Instantly
5	Instantly	Instantly	Instantly	Instantly	Instantly
6	Instantly	Instantly	Instantly	1 sec	5 secs
7	Instantly	Instantly	25 secs	1 min	6 mins
8	Instantly	5 secs	22 mins	1 hour	8 hours
9	Instantly	2 mins	19 hours	3 days	3 weeks
10	Instantly	58 mins	1 month	7 months	5 years
11	2 secs	1 day	5 years	41 years	400 years
12	25 secs	3 weeks	300 years	2k years	34k years
13	4 mins	1 year	16k years	100k years	2m years
14	41 mins	51 years	800k years	9m years	200m years
15	6 hours	1k years	43m years	600m years	15 bn years
16	2 days	34k years	2bn years	37bn years	Itn years
17	4 weeks	800k years	100bn years	2tn years	93tn years
18	9 months	23m years	6tn years	100 tn years	7qd years



### Passwords Pt 2



#### **Password**

• P@ssW0rd1!

#### Passphrase

• Fru1tmomDad&ME

#### Passphrase 2.0

• #Jabd@CU, SC7594

(#J ust another beautify day @ Clemson University, SC 7594

### Your Personal Computer

1

Keep all software up to date (Windows and Applications)

2

Use anti-virus

3

Stay away from pirated material

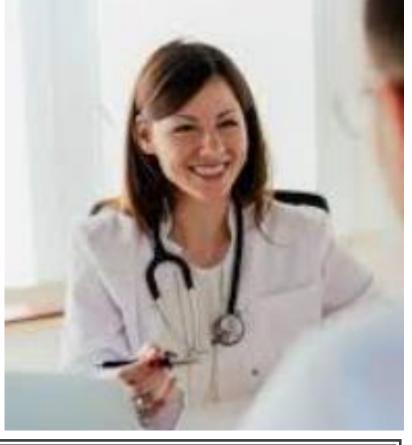
4

Don't use USB devices unless you own them











Real Life Hacks

### Helpful Sites

#### Have I been Pawned?

https://haveibeenpwned.com/

#### Credit Karma

• <a href="https://www.creditkarma.com/">https://www.creditkarma.com/</a>

#### BitDefender (Free Anti-Virus)

• <a href="https://www.bitdefender.com/solutions/free.html">https://www.bitdefender.com/solutions/free.html</a>