

Cybersecurity Awareness Month: *How Aware Are You?*

WiCys Student Chapter UWB

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By Tammy Le

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Introduction.

Introduction to Phishing and Social Engineering

Definition of Phishing:

Fraudulent attempts to obtain sensitive information by disguising as a trustworthy entity.

Why Awareness Matters:

Scammers use advanced techniques, including social engineering and deepfake technology, to appear credible.



Personal Story: The Facebook Video Call Scam



Scenario:

My mom received a message from her sister asking for her phone number and later a video call. She saw her sister's face, lips moving, and even heard her voice, which was slightly distorted but recognizable.

The Hack:

After ending the call, her “sister” messaged saying her phone was “messing up” and needed a code to log back into Facebook. Trusting the request, my mom shared the code, unknowingly allowing hackers access to her account.

Outcome:

Hackers gained control of her Facebook account and could impersonate her to target others.

The Aftermath ..

Emotional Impact:

This incident made me realize how easily personal data can be stolen, even with trusted contacts.

Ongoing Concerns:

Even after changing all her passwords, my mom was ✨ anxious ✨ about her security, not knowing if she was truly safe.

.. of Data Theft

Taking Extra Precautions:

The hackers accessed her email and changed the password, forcing her to delete her account entirely. Out of worry, she contacted her banks and every app linked to that email to protect her information.

Lesson:

The aftermath of a phishing attack extends beyond the initial incident, causing lasting stress and safety concerns.

Case Study

Case Study: Gilly & Fake Employee Portal

Scenario:

Gilly, an IU employee, received an email from “Employee Portal” prompting her to confirm a medical payment. While distracted, she clicked the link, which led to a fake IU login page, where she entered her credentials.

Mistakes:

Didn't verify the sender's email, clicked on an unfamiliar link, and entered information on a spoofed page.

Outcome:

Her IU credentials were stolen, compromising her university access.

Lesson:

Always check the sender's details and access important sites directly instead of through links in emails.



“

**The greatest threat to cybersecurity
is the illusion of security**

— Jeanette Manfra

Game: *Phish or Legit?*

Objective :

To help participants recognize common phishing signs by reviewing various phishing and legitimate images and evaluating their responses with a risk assessment matrix.

Game Setup:

Access link to the digital form for participants to record their responses.

Instructions:

1. In the digital form record your answer.
2. Look at each image for a set time (e.g., 1 minute) and decide if it's a phishing attempt or legitimate.



[Redacted]

13 July 2016 at 9:38 AM



To: [Redacted]

Reply-To: [Redacted]

Payment

Hi Michael,

Please find enclosed vendor banking instructions for a payment that was suppose to go out in the previous week. I need you to process it immediately.

I am a bit busy now but will give you a call within the hour regarding the payment.

Regards,

[Redacted]

Sent from my Mobile

----- Forwarded message -----

From: **Doug Williams** <chrispid@t-online.de>

Date: Wed, Apr 13, 2016 at 11:47 AM

Subject: Invoice for Lehigh University ; Attention: Controller

To: 

This is a private message for the Controller, Lehigh University. If it is not you, please ignore and discard it.

Hi John Gasdaska,

Since we have not received a contract termination letter, I am assuming that you might have unintentionally overlooked our invoice **04/16000331799** (Unpaid). If you intend to bring to an end the account, just let us know. Be informed that early withdrawal penalties will apply.

Refer to the attached document for billing information.

Regards,
Doug.

Doug Williams

Sterling Savings Bank | Accounting and Billing Team
6400 Uptown Blvd Ne, Albuquerque, New Mexico, 87110
T: [866-905-9901](tel:866-905-9901) | Copyright © 2016



Refund Notification

Due to a sytem error you were double charged for your last order, A refund process was initiated but could not be completed due to errors in your billing information

REF CODE:2550CGE

You are required to provide us a valid billing address

[Click Here to Update Your Address](#)

After your information has been validated you should get your refund within 3 business days

We hope to see you again soon.

[Amazon.com](#)

Email ID: 

Windows Error Report - Message (HTML)

File

Message

Tell me what you want to do

Junk

Delete

Archive

Reply

Reply All

Forward

Meeting

More

Create New

Move

OneNote

Actions

Mark Unread

Categorize

Follow Up

Translate

Find

Related

Select

Zoom

0

Microsoft Team <no-reply_msteam2@outlook.com>

Wed 8:54 AM

Windows Error Report

Windows User Alert

Unusual sign-in activity

We detected something unusual to use an application to sign in to your Windows Computer. We have found suspicious login attempt on your windows computer through an unknown source. When our security officers investigated, it was found out that someone from foreign I.P Address was trying to make a prohibited connection on your network which can corrupt your windows license key.

Sign-in details:
Country/region: Lagos, Nigeria
IP Address: 293.09.101.9
Date: 09/07/2016 02:16 AM (GMT)

If you're not sure this was you, a malicious user might trying to access your network. Please review your recent activity and we'll help you take corrective action. Please contact Security Communication Center and report to us immediately.[1-800-816-0380](tel:1-800-816-0380) or substitute you can also visit the Website: <https://www.microsoft.com/> and fill out the consumer complaint form. Once you call, please provide your **Reference no: AZ- 1190** in order for technicians to assist you better.

Our Microsoft certified technician will provide you the best resolution. You have received this mandatory email service announcement to update you about important changes to your Windows Device.

Review recent activity



We're sorry to say goodbye

Hello,

iTunes let us know that you asked to cancel your membership. We've cancelled your membership effective Tuesday, March 21st, 2017.

Obviously we'd love to have you back. If you change your mind, simply [restart your membership](#) to enjoy all the best TV shows & movies without interruption.

RESTART MEMBERSHIP

We're here to help if you need it. Visit the [Help Center](#) for more info or [contact us](#).

–Your friends at Netflix

Questions? Call 1-866-579-7172

This account email has been sent to you as part of your Netflix membership. To change your email preferences, go to [your account](#).



To: ACCOUNTING DEPARTMENT

Cc: TomHeald@strategictax.com ▾

Subject: W2's for All Employees

From Tom Smith

Signature: None ▾

Please send our W2 Tax Documents for all employees to Tom Heald at Strategic Tax Consultants. I have cc'd him here.

We need these documents for a review ordered by the Board of Directors.

Please send immediately as we are under a time crunch.

Thanks,

Tom Smith
CEO
BetterSystems Inc

Thank you for participating!

Key Takeaway:
Data Protection Starts with Detection

Meet your Speaker



Tammy Le

University of Washington Bothell (*Senior*)

Major: CSSE: Info. Assurance & Cybersecurity

Minor: Data Analytics

President (*IxDA UWB 2023-2024*)

Secretary (*WiCys UWB 2023-2024*)

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**UNIVERSITY OF WASHINGTON BOTHELL
STUDENT CHAPTER**

🔍 How to pronounce WiCyS

Sounds like

we•sis



Meaning: We Cyber Sisters