Cyber Security

PROTECTING YOURSELF AGAINST SOCIAL ENGINEERING THREATS
The art or practice of tricking or manipulating someone into giving up personal information, such as email or bank account credentials, SSN, mother’s maiden name, or date of birth, with the ultimate goal of compromising information systems.
Common Types

- Phishing – attempt to get sensitive info by impersonating someone trustworthy
- Waterholing/screen scraping – post a counterfeit web page and wait for people to find it.
- Browser hack – browser or computer locked—must pay to unlock
- Hack your cell phone
Forms Taken

- Email
- Instant Message
- Text
- Phone call
- Track your phone
From: "WEB ADMINISTRATOR" [mailto:cxu-94h-naa@tele2.nl]
Sent: Thu, 7/10/2009 9:02 PM
Subject: [BULK] Upgrade Your Whittier.edu Email Account!!

Dear Whittier.edu email account user

We are currently verifying our subscribers email accounts in other to increase the efficiency of our webmail futures.
During this course you are required to provide the verification desk with the following details so that your account could be verified.

Email Username:............
Password:............... 
Location:.................
Date of Birth:...........

Failure to do this will immediately render your email address deactivated from our database.

Thanks Whittier.edu Team.
From: David Chapman, Ph.D. [mailto:info@newsdigest.co]
Sent: Monday, July 11, 2016 8:04 AM
To: info@newsdigest.co
Subject: Whittier College Who's Who (2016 Edition) - You are included

Good morning.

We're writing to let you know that you received Honorable Mention in yesterday's article titled "Who's Who in Academia" by Joseph Bozanek.

The article will remain available at www.newsdigest.co for the next few hours and is also available to download in PDF format.

Wishing you the best of continued success,

David Chapman, Ph.D.
Editor, News Digest International
www.newsdigest.co
Attachment has virus

From: Sean Gregory <Gregory.Sean10@staceyforfruita.com>
Date: Wednesday, March 23, 2016 6:03 AM

Subject: Invoice XEINV35444 from TWENTYFOUR INCOME FUND LTD

<table>
<thead>
<tr>
<th>TWENTYFOUR INCOME FUND LTD</th>
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**Invoice** Due: 03/31/2016
**XEINV35444**  
**Amount Due:** $452.93
I searched for whittier.edu mail and found this on the 3rd page of search results.

A bad search tool bar would put this at the top of your search results.
New game has 2 levels of danger

Tutorial apps can have backdoor
Hackers are finding people’s devices and attacking them
Scenarios which cause the most problems

- Trying to download a utility, driver, codec, converter (like PDF or video)—download virus
- Email from a friend—click on link or attachment
- Email from WC—click on a link, enter credentials
- Phone call from Microsoft—pay to have viruses removed
- Browser exploited—browser locked, money extorted
- Bad search engine returns link to screen scrape—email credentials stolen
What can you do to protect yourself?

- Slow down
- Don't click on a link inside an email, browse to the web page yourself. Don't use a phone number from an email. Look up a general number and call that. It is easy for a scammer to impersonate a bank teller.
- Do a web search of the subject line of suspected spam if unsure.
- Get rid of tool bars at the top of a browser.
- Make sure you have antivirus software installed. Make sure that software has an active subscription and is up to date.
- Make sure your computer's firewall is working.
- Make sure your computer's OS is set to update automatically and that it is up to date.
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Advise – Degree Works

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