INFORMATION SECURITY 101

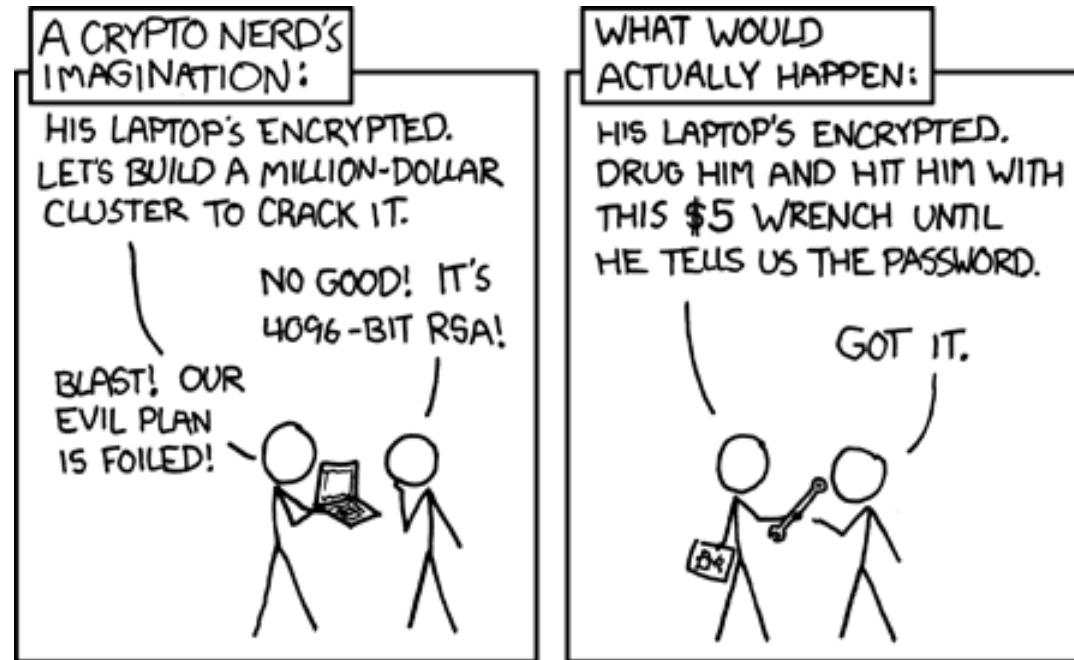# AGENDA

Introduction

Threat Modeling

Google Dorking

Data Breaches

Reconnaissance

Mitigation & Prevention

ABSOLUTE SECURITY == MYTH

IMPLICATIONS

Financial Loss.

Operational Disruption.

Reputational Damage.

BUILD THE "ABOUT ME" SLIDE.

* You have permission to "hack" me, but only for the duration of this session and if its relevant to the task.

ABOUT ME

MS Cybersecurity, '____
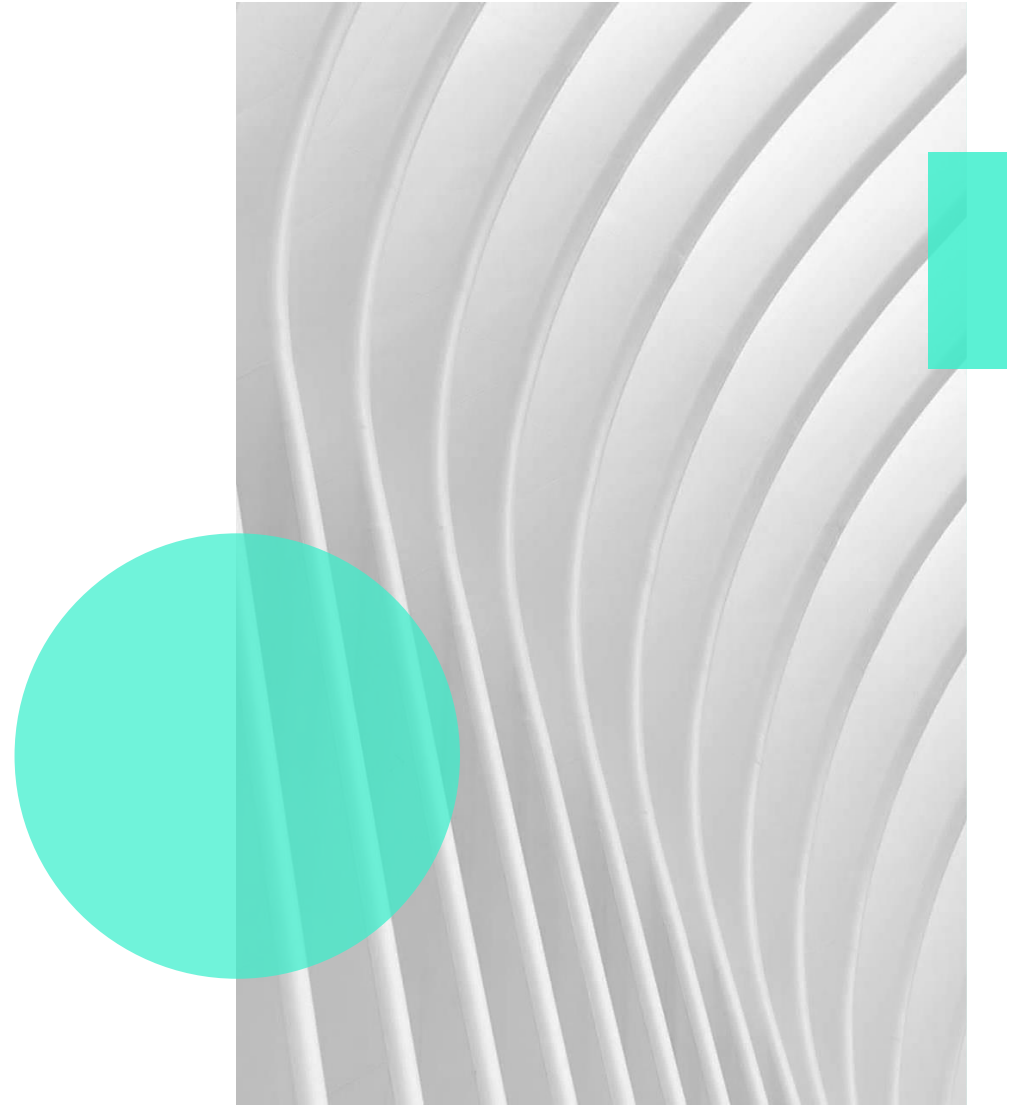
Previous @ SecurityHQ

Previously studied the ____ language in high school (and I've forgotten everything about it now).

Witnessed Northeastern's Hockey Team lose to BU on _____.
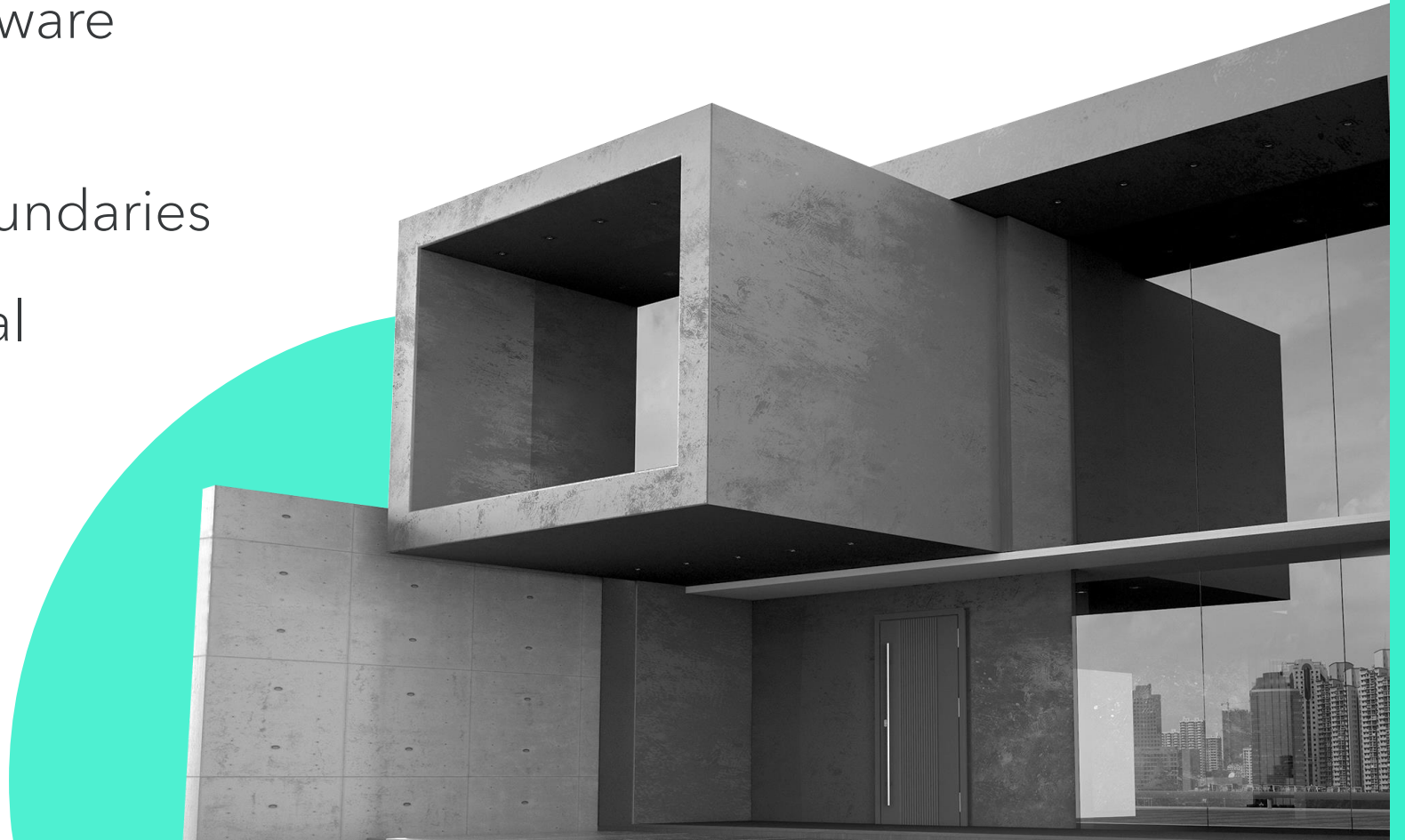
THREAT MODELING

What Are You Building? + What Can Go Wrong?

Threat Analysis

FAILURES OF THREAT MODELING

- Implicit Trust in the Software Supply Chain

- Misconfigured Trust Boundaries

- Misplaced Trust in Social Interactions

- *Murphy's Law!*

WHEREFORE ART THOU, JIA TAN?

The Software Patch That Shook the World

A CrowdStrike security update rendered computers unusable and underscored the fragility of modern global technology

MOBILE CARRIERS ARE SO TRUSTWORTHY!

Social Engineering Demo Video.

GOOGLE DORKING

SAMPLE QUERIES

- Market Intelligence

- Government Records

- …

OPERATORS:

- site:reddit.com

- filetype:pdf

- "Devesh"

OH NO, MARKET INTELLIGENCE!

Purchase Invoice Register

8/14/2024 7:33 AM

Page 1 of 2

Report Date Range: 07/12/24..08/14/24

Buy-From Vendor No.	Buy-From Vendor Name	Invoice No.	Date	G/L Acct.	G/L Account Name	Description	Amount	Check No.	Check Date

Fund No. Fund Name

Subtotal for

GOVERNMENT RECORDS?

HEY, CHATGPT...
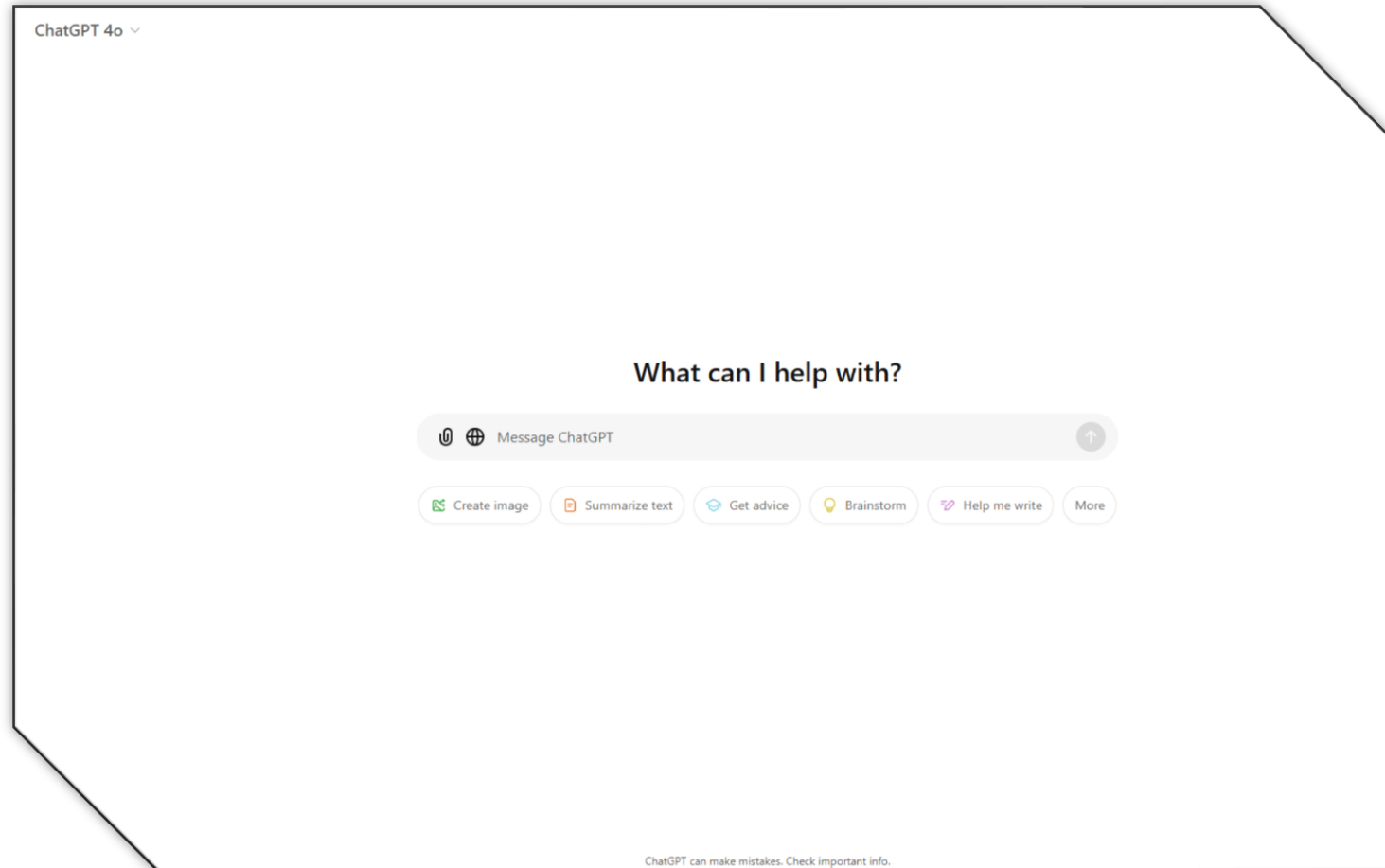
DATA BREACHES

PREVENTION & MITIGATION

| Prevention	Mitigation
Limit Information Distribution	Delete Information
Strong Passwords	Rotate Passwords
Multi-Factor Authentication	Phishing-Resistant MFA
Update Your Software	Backup Your Data

SUMMARY

Security is a continuous process, it's natural to feel overwhelmed.

Most likely, the only "threat" you're up against is marketing firms or opportunistic mass collection of data. Take this time to build up your defenses.

Upgrade your weakest link. Laziness is a sin.

- You didn't forget about the challenge, did you?
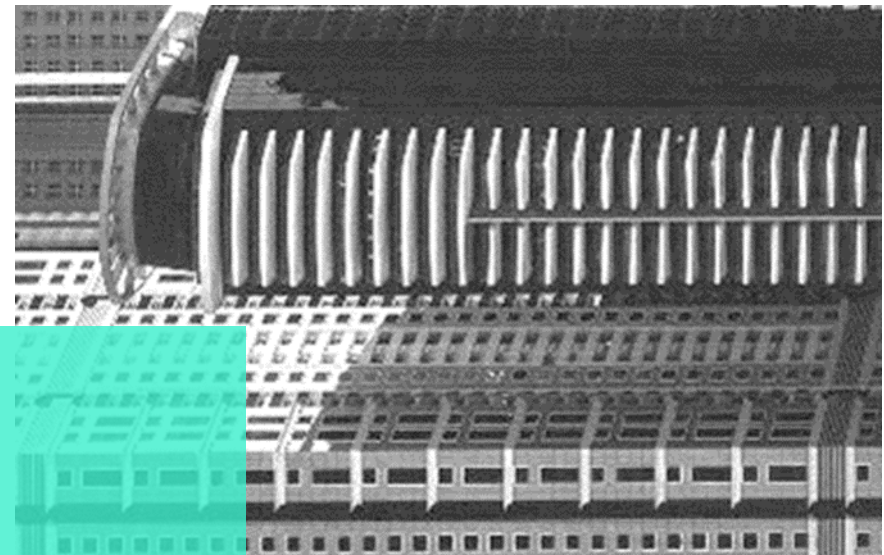
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THANK YOU

Devesh Chande

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