Welcome to the Bootcamps!

CCDC/CPTC/NCAE/Cyberforce Informational Meeting

https://da.gd/CCDC2023

What is *CPTC?*

- Collegiate Penetration Testing Competition
  - International competition
  - Reigning world champions
- Focuses on penetration testing, IT infrastructure, and scripting/reverse engineering
- **OFFENSE**
- Simulates pentest engagements
- Providing business value
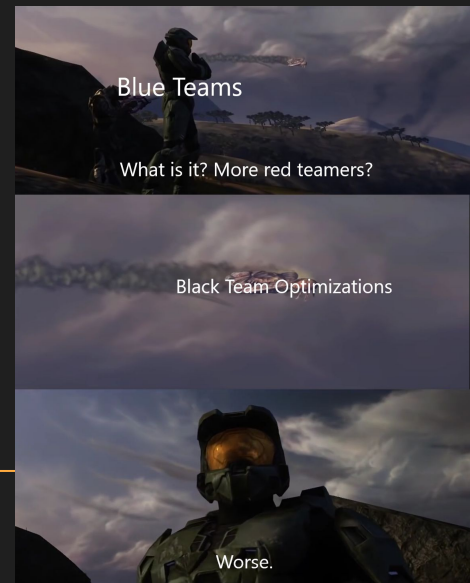- 6 main roster, 2 alternate

HOPE YOU DON'T MIND
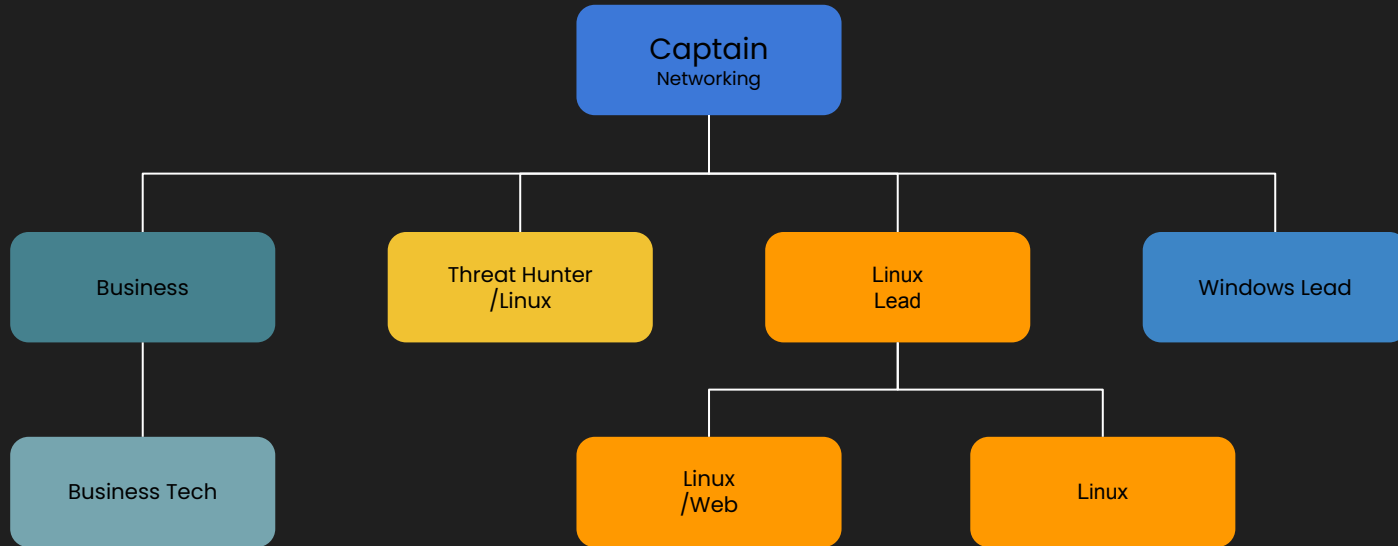I BROUGHT MY FAMILY

Team Structure
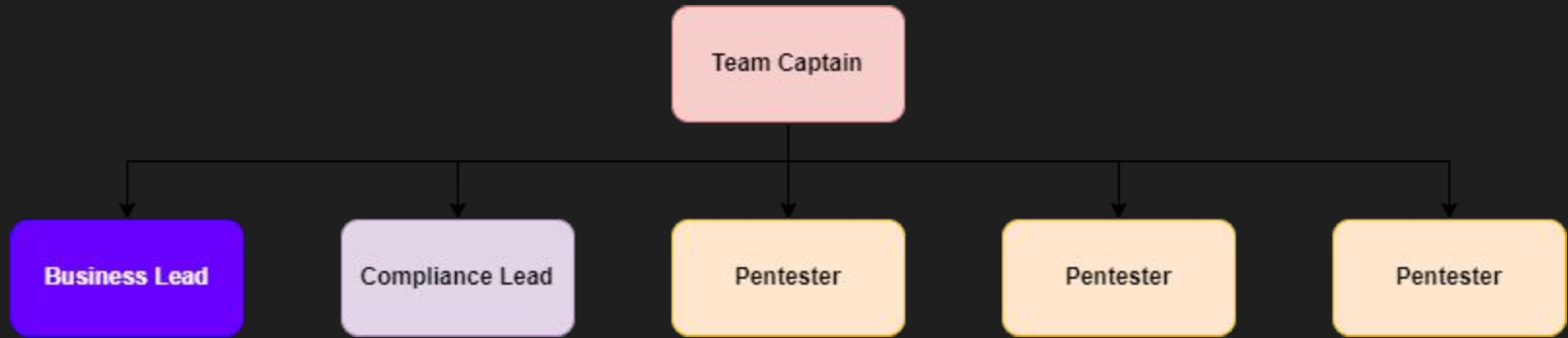
What is *CCDC?*

- Collegiate Cyber Defense Competition
  - National competition
  - Top 8 regionally
- Focuses on computer IT, system administration, computer networking, and cloud engineering
- **DEFENSE**
- Simulates IT/incident response teams
- Build, secure, and defend various business infra
- 8 main roster, 4 alternate

Blue Teams

What is it? More red teamers?

Black Team Optimizations

Worse.

Team Structure

Captain
Networking

Business

Threat Hunter
/Linux

Linux
Lead

Windows Lead

Business Tech

Linux
/Web

Linux

THINGS YOU'LL LEARN

1. Services
   a. Active Directory
   b. DNS
   c. HTTP
   d. SQL
   e. SSH
   f. Email
   g. SMB
   h. And more...

- Tools
  - Group Policy
  - Nmap
  - Splunk
  - Sysinternals
  - VPN
  - Firewalls
  - Nessus
  - And more...

- Procedures
  - User management
  - Incident Response
  - Patching / Hardening
  - Creating and restoring backups
  - Inventory
  - And more...

- OS's
  - CentOS, Ubuntu, Alpine Linux, Debian, Slack
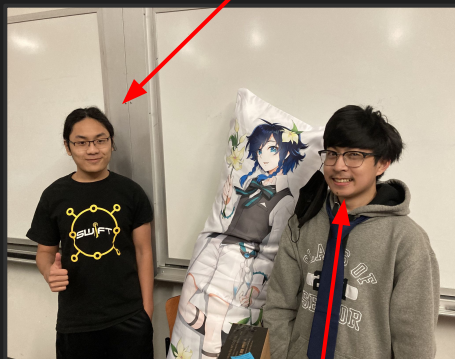 - Windows Server, Windows Workstation

CCDC

Meet the Teams!

CPTC

CCDC

Justin Covairt

Dylan Tran

Jacob Jayme

Evan Deters

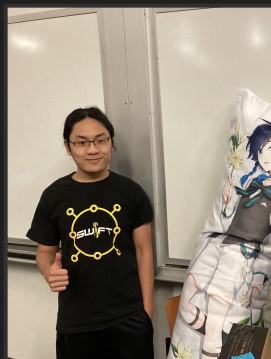Jessica Leung

Gabriel Fok

CPTC

Derrick Tran

Dylan Tran

Jimmy Peng

Marshal Ung

Gabriel Fok

Agenda

1 **Objectives**

Key goals for the bootcamp

2 **Timeline**

Content and schedule

3 **Tryout Info**

Requirements and other details

4 **Alumni**

Testimonials and prior experience

1

Bootcamp Objectives

Our goals for you

Cyber Bootcamp Objectives

Learn to Learn

Gain confidence in your ability to learn rapidly, and independently

Build Team Skills

Build relationships and showcase interpersonal skills

Prepare for the Future

Set a solid foundation and discover opportunities in cybersecurity

2
Bootcamp Timeline

Time commitments

Weekly Schedule

Date	CPTC (10AM-12PM)	CCDC (1PM-4PM)
~~Jul 8~~	~~Cyber Bootcamp Kickoff!~~	
Jul 15	Intro to Pen Testing	Business Week
Jul 22	Hacking Web Apps	Introduction to Networking
Jul 29	Hacking Linux	Securing Linux
Aug 5	Hacking Windows	Securing Windows
Aug 12	How to be a Consultant	Review Week
Aug 19-20	CPTC Tryouts (All day)	
Aug 26		CCDC Tryouts (1-5PM)

CPTC/CCDC Team Schedule

- Meet at least once a week (usually Saturdays) for practice
- Ad-hoc working/research meetings
- Competition weekends

Month	CCDC	CPTC
November	Invitationals #1*	Regionals
December	Invitationals #2*	None
January	None	Globals
February	Regional Qualifier	Season over
March	Regional Finals	Season over
April	National Finals	Season over

NCAE/Cyberforce Team Schedule

- ???????????????

Month	NCAE	Cyberforce
October	None	Access to Cyberforce
November	None	Cyberforce
December	None	None
January	None	None
February	None	None
March	Regional Qualifiers	None
April	National Finals	Conquer The Hill

3
Tryout Details

How to get on the teams

August 19–20

CPTC Tryout Date

August 26–27

CCDC Tryout Date

Selection Requirements

CCDC Team

- **Full-time** CPP Student
- Attend **Fall 2023** & **Spring 2024**
- **Good** academic standing (2.0 GPA)
- Stand out during the bootcamp

NCAE Team

- **Full-time OR Part-Time** CPP Student
- Attend **Spring 2023**
- **Good** academic standing (2.0 GPA)
- Cannot Participate in CCDC Events
- Stand out during the bootcamp

CPTC Team

- **Full-time** CPP Student
- Attend **Fall 2023**
- **Good** academic standing (2.0 GPA)
- Stand out during the bootcamp

Cyberforce Team

- 18+ years old
- "Actively attending the institution"
- **Good** academic standing (2.0 GPA)
- Stand out during the bootcamp

CCDC Rubric

Homework	20%
Teamwork	15%
Attendance	5%
Presentations	10%
Tryouts	50%

CPTC Rubric

Homework	25%
Attendance	10%
Teamwork	10%
Tryouts	55%

Bootcamp Tips

- Be involved
- Take notes and research out of class
- Stay organized
- Google things and ask questions
- Work well in a team

And the most important thing:
- Bring a growth mindset

4
Alumni Experience

Standing on the shoulder of giants

Brice Lauer

Part of the 2020-2021 CPTC global finalist team, Linux team member of CCDC, and now works as a Security Analyst at Anduril.

Luis Velasquez

Participated in CCDC/CPTC bootcamps in 2020 & 2021, and currently working as an infosec intern at Cal/Amp. Also an active band member in up-and-coming thrash metal band Mortalis.

Silas Shen

Led the 2019-2021 CCDC team, CPTC global finalist, and now works as a Red Team consultant at Crowdstrike.

Alex Tselevich

Led the 2021-2022 CPTC team as captain to win the gold at the Global Finals, and now works as a red team consultant at Mandiant.

Brandon Sakamoto

Led the 2018-2019 CCDC and CPTC teams, and now works as a Red Team consultant at Mandiant.

Dennis Tran

Tool developer for CPTC, Linux team for CCDC, and now works as a Red Team consultant at Mandiant.

Q&A

Any questions for the teams?

CCDC Homework 1

[dagd]

CPTC Homework 1

[dagd]