

Welcome to the Bootcamps!

CCDC/CPTC Informational Meeting

Sign-in

<https://jessh.zip/2025-SignIn>



NON-CPP VPN Access

<https://jessh.zip/bootcamps25vpnaccess>

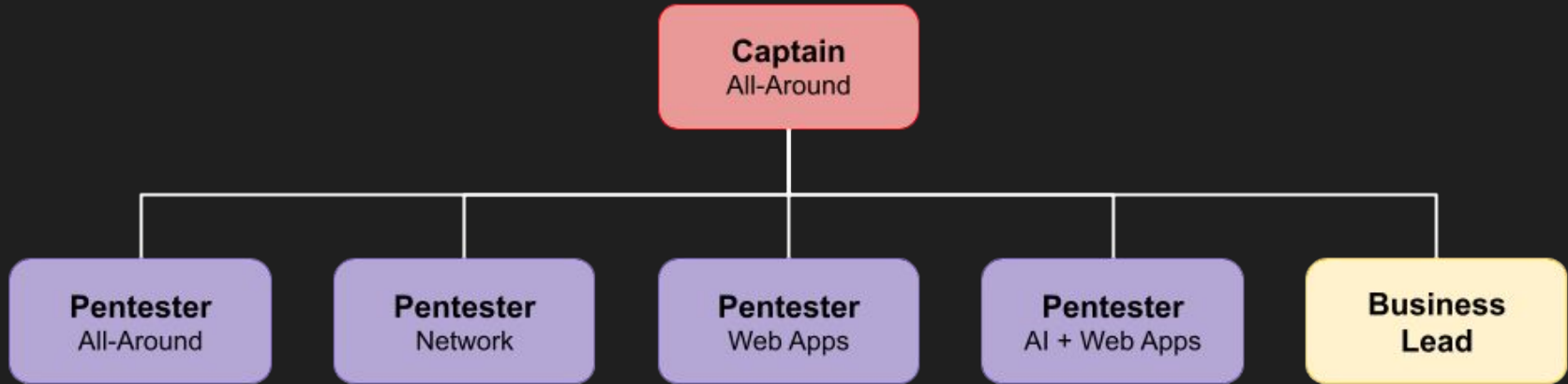


What is CPTC?

- Collegiate Penetration Testing Competition
 - International competition
 - World champions x2
- Focuses on penetration testing, IT infrastructure, social engineering, and scripting/reverse engineering
- **OFFENSE**
- Simulates pentest engagements
- Providing business value
- 6 main roster, 2 alternate
- <https://cp.tc/>



Team Structure



THINGS YOU'LL LEARN

Network Penetration Tooling & Methodology

Active Directory Abuses (ADCS, Kerberos, Credential Harvesting, Relaying)

Windows & Linux exploitation & post-exploitation

Impacket, Ghostpack, Command & Control

Web Application Methodology

Fuzzing, Injections, OWASP stuff

Burpburpburpburpburpburpburpburpburpburpburpburpburpburpburp

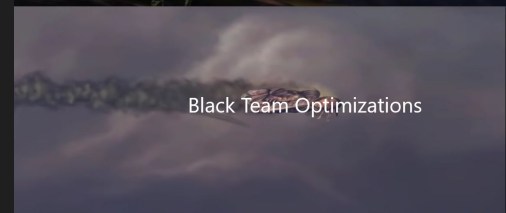
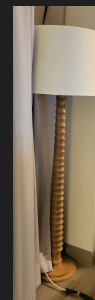
And some more... (report writing, interacting with clients)

What is CCDC?

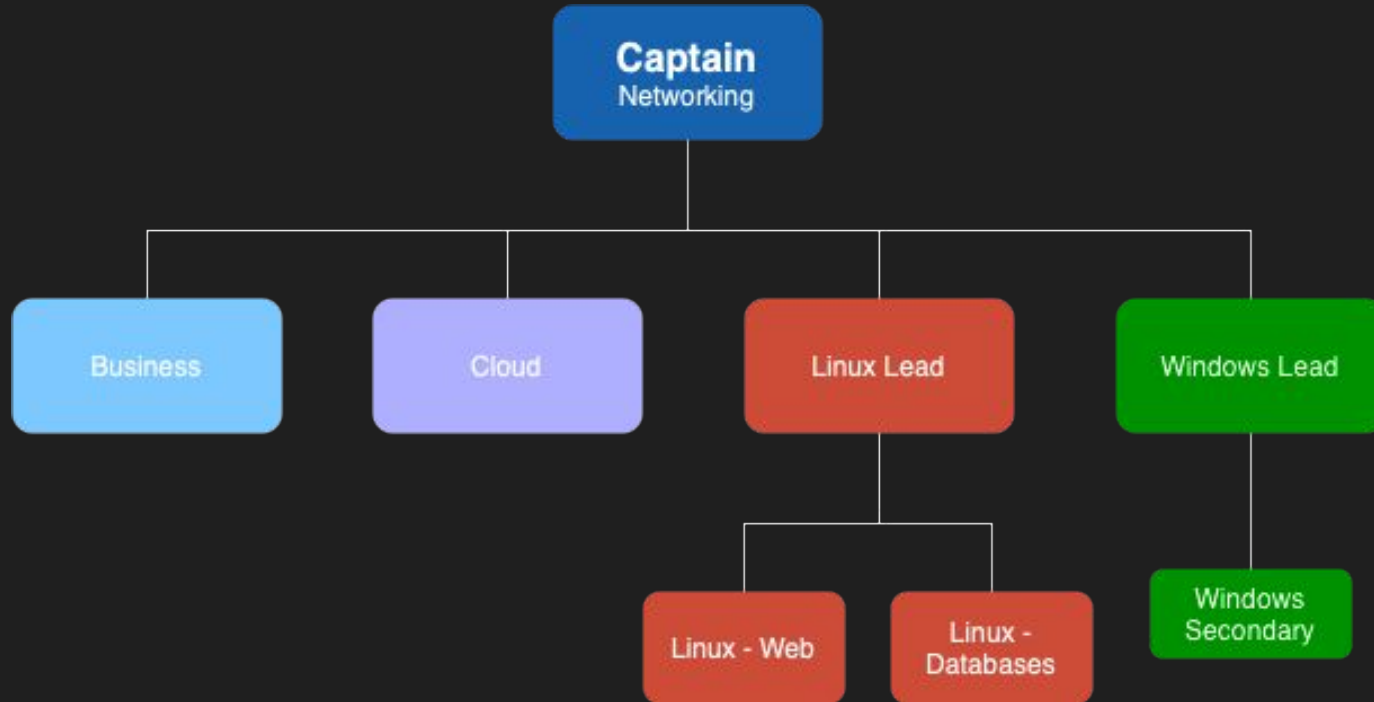
- Collegiate Cyber Defense Competition
 - National competition
 - 2x National Runner-up
- Focuses on system administration, incident response, computer networking, and cloud engineering
- **DEFENSE**
- Simulates IT/incident response teams
- Build, secure, and defend various business infra
- 8 main roster, 4 alternate



NATIONAL
COLLEGIATE
CYBER
DEFENSE
COMPETITION



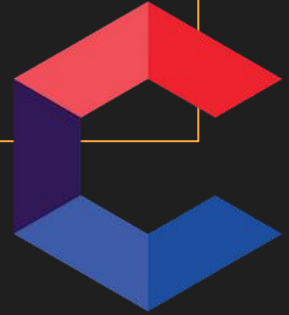
Team Structure



THINGS YOU'LL LEARN

- Services
 - a. Active Directory
 - b. DNS
 - c. HTTP
 - d. SQL
 - e. Cloud
 - f. SSH
 - g. Email
 - h. SMB
 - i. 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

Meet the Teams!



CCDC



Natalie
Tran



Medha
Swarnachandrabalaji



Sara
Downing

CPTC



Ryan
Miller



Ryan
Wong



not Ryan
Luke Kimes

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-3PM)
Jul 12	Cyber Bootcamp Kickoff!	
Jul 19	Intro to Pen Testing	Business Week
Jul 26	Hacking Web Apps	Introduction to Networking
Aug 2	Hacking Linux	Securing Linux
Aug 9	Hacking Windows	Securing Windows
Aug 16	Consulting	Common Services
Aug 23-24	CPTC Tryouts (All day)	
Aug 30-Sep 13		CCDC Fall
Sep 20-21		CCDC Tryouts (1-5 PM)

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	Invitationals #3*	Globals
February	Regional Qualifier	Season over
March	Regional Finals	Season over
April	National Finals	Season over



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Tryout Details

How to get on the teams

August 23–24

CPTC Tryout Date

September 20–21

CCDC Tryout Date

Selection Requirements

CCDC Team

- **Full-time** CPP Student
- Attend **Fall 2025 & Spring 2026**
- **Good** academic standing (2.0 GPA)
- Stand out during the bootcamp

CPTC Team

- **Full-time** CPP Student
- Attend **Fall 2025**
- **Good** academic standing (2.0 GPA)
- Stand out during the bootcamp

CCDC Rubric (Fall)

Homework	30%
Teamwork	15%
Participation	10%
Tryouts	45%

***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





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Former Participants

Standing on the shoulders of giants

Alex Tselevich

Red Team Consultant @ Google

CPP 2021-2022: CCDC 2021, CPTC
2021-2022, CPTC Captain, Global
Champion, SWIFT VP of Ops 2022

OSCP, CRTO, OSEP



Jessica Leung

Business lead for CCDC from 2022-2024, helping the team place 2nd at National Finals both years. Currently a Security Analyst at SpaceX.

Member of CCDC from 2021-2024



Dylan Tran



GOOD ARGUMENT

UNFORTUNATELY 134.71.135.0

Brice Lauer

Placed Top 3 @ Global CPTC & Top 3
@ WRCCDC Regionals.

Ex Detection and Response Engineer
@ Anduril. Currently Sr. Associate @
PwC's Global CSIRT &
WRCCDC/ALCCDC Red Team

Part of CCDC Linux team / CPTC
2019-2021



Evan Deters

Led the 2023-2024 CCDC team as captain to place 2nd at the National Finals, and now works as a Site Reliability Engineer at SpaceX.

Member of CCDC from 2021-2024





Q&A

Any questions for the teams?

HW

Homework: <https://jessh.zip/bootcamps25hw1>

VPN Access (NON-CPP): <https://jessh.zip/bootcamps25vpnaccess>

*VPN Access will be coming soon!

(This week's Homework is the same for both bootcamps)