

What Does The Cow Say?

Introduction to
Cyber Security Club





DEFCO^N

Mission



What We Do

Interested in all things
cybersecurity!

In a nutshell:

- We mess around with computers, operating systems, and software
- We share our knowledge to teach cybersecurity skills and how to be secure
- We provide opportunities to get hands-on experience applying cyber skills





Club Membership

This is just something the school requires of us,
it's not that serious

Registered Student Orgs



- We are officially registered with the school as a Registered Student Organization!
- What does that do? Uhhhh
 - Money??
- We have to follow their rules, including the one about student membership

MEMBERSHIP

- Each registered group must be composed of at least three currently registered and paid UCD students.
- Public information about these students may be disclosed without prior written consent unless the student via an established electronic procedure that such information shall be confidential. Public information includes a student's name, address, phone number, email address, and student identification number. CSI may release this information about you as a representative of this organization.
- Only currently registered and paid UCD students can be active members; only active members may vote, pay dues, and represent the group to the University.
- Currently enrolled UCD students must comprise three-fourths of the organization's membership.
- A graduate student organization is a student group, whose primary purpose as identified by the group is the interests of UC Davis graduate students.
- The group membership must consist of a minimum of 66% graduate students and at least two of the primary members must be graduate students.
- Associate members may be students on PELP, UCD staff, faculty, and the immediate families of UCD student individuals. Associate members may attend group meetings and events, participate in discussions, serve as advisors, and perform small tasks for the group.
- Consistent with section 70.10 of the UC Policy on Registered Campus Organizations, the organizations w

Club Membership



Membership Benefits

- You get a role on AggieLife
- You get to vote in elections! (and run for officer positions)

~ _ (ツ) _ / ~

Club Membership



Our activities will always
be open for all students to
attend.

Club Membership



How To Become A Member:

a) Be a student

Then..

1) Attend at least 3
General Meetings per
quarter

OR

2) Be an active member of
cowsay

Membership

1. Our club consists of members.
2. Members must be currently enrolled as a degree-seeking student at the University of California, Davis.
3. Members may be undergraduate, graduate, part-time, or full time.
4. To remain in good standing, starting the member's first full academic quarter, for each academic quarter, excluding summer, a member must:
 1. Be actively enrolled full-time or part-time at UC Davis in an undergraduate, graduate, or doctoral degree program
 2. And must meet one of the following requirements within a quarter:
 1. Attend at least three Cyber Security Club at UC Davis events
 2. Attend at least one Cyber Security Club at UC Davis meeting if and only if there has been no more than three Cyber Security Club at UC Davis meetings that quarter
 3. Be a good standing member of cowsay.
5. Calculations for good standing are to be made at the end of each academic quarter, excluding summer.



General Meetings

What's happening Wednesdays at 5?

General Meeting Activities



Workshop

- A short 1-2 hour dive into specific cybersecurity skills/topics
 - EX: Cracking passwords, how a firewall works, etc.

Speakers

- Cybersecurity professionals and other people involved in cybersecurity drop by to give a talk

Game Night

- Cybersecurity-themed games like "Hacker Jeopardy"

Movie Night

- Watch a movie related to cybersecurity, learn about the origins of hacker culture



Cybersecurity Competitions

What does the cow say?

What is bro on about



cowsay (noun)

1. A popular command-line program that draws an ASCII cow saying whatever the user puts in
2. UC Davis's premier cybersecurity competition team

```
jason@HALFDOME:~$ cowsay balls
-----
< balls >
-----
      ^__^
      (oo)\_____
         (__)\       )\/\
            ||----w |
            ||


```

```
-----
< Go UC Davis! >
-----
      ^__^
      (oo)\_____
         (__)\       )\/\
            ||----w |
            ||


```

Team Cowsay



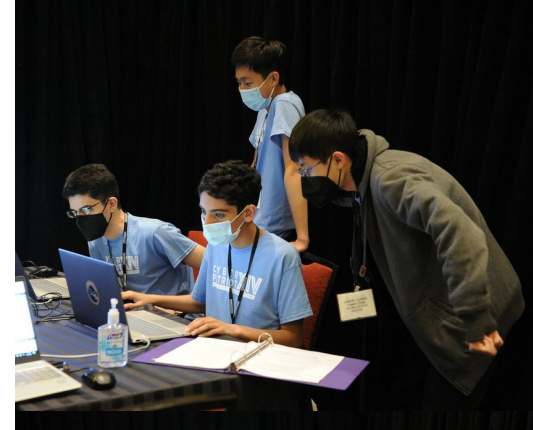
cowsay (noun)

1. A popular command-line program that draws an ASCII cow saying whatever the user puts in
2. **UC Davis's premier cybersecurity competition team**

Cybersecurity competitions?

- An opportunity to get hands-on experience using cyber skills in a simulated environment
- What are cyber skills?
 - Theoretical: How computers and software work
 - Practical: How to attack, defend, maintain computer systems

<https://niccs.cisa.gov/workforce-development/nice-framework>



What Do We Compete In?



Competitions We're Doing This Year

- WRCCDC
 - Act as a mock IT team, maintain and defend a computer system from live hackers
- CPTC
 - Conduct a mock security audit on a computer network



What Do We Compete In?



Competitions We're Doing This Year

- Hivestorm
 - Find and fix security vulnerabilities on virtual machines
- Capture-the-Flag (CTF)
 - A category of competitions involving puzzles that require cyber skills to solve



Sample CTF Challenge



Decrypt the following messages!

1) 01100011 01101111 01110111 01110011 01100001 01111001

2) .. -- .-. .- - . .-./.- -- --- -. --./...- ...

3) Medium: am9pbiBjb3dzYXk=

4) Hard: 00bfc8c729f5d4d529a412b12c58ddd2

How'd You Feel?

Don't be scared if that was hard for you!

We don't expect you to come in here knowing everything about cybersecurity!

But, if you want to start learning now, there's no time like the present to start.

Calling all:

- People interested in cybersecurity
- People who like puzzles
- People who want to solve problems
- People who want to future-proof their careers



Interested in joining?



The Club

Pull up to next week's workshop!

cowsay

Check the #cowsay channel in our Discord for more information

davis cybersec.org/discord to join our Discord!

Any Questions?

