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# CHECKING IN WITH BYU CYBERIA 2021

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CYBERSECURITY STUDENT CONFERENCE  
BRIGHAM YOUNG UNIVERSITY

# CTF's and Penetration Testing

Where else teaches you these skills?

Such as:

- Fit 50 disguised ponies into a bar past a bouncer
- Discover that the find & replace function is Turing complete
- Stalk Charlie Chaplin's Career as a Software Developer
- Find the Wikipedia page for Philosophy from all different locations
- Break out of Jail (the python kind)
- Identify random BYU Parking spots & building entrances

# Summary of this Talk

- Who is BYU Cyberia?
- Review of success in Competitions from 2021
- Small Team Competitions
- Our Very own CTF!! (First ever student run!)
- Future!
- Acknowledgements

# What is BYU Cyberia

- Started Early Summer of 2021
- Wanted an Identity to compete against other Hacker groups and Universities
- All of you! (50+ people who have come to CTF Group)
- CSA CTF Group's Unofficial, Official Team name!
- Meeting almost weekly

# 2021 CTF Competitions

By the numbers:

- 17 CTFTIME Official Events
- 6+ Additional Non-Traditional Cyber Competitions
  - Hivestorm, GCPTC, Social Engineering CTF, NCL Team Game, NSA Codebreaker, etc.
- Finished **59<sup>th</sup>** out of 4000+ US Teams
- Finished **181<sup>st</sup>** out of Academic Teams Worldwide
- Overall **562<sup>nd</sup>** out of 36.827 Total Teams

# 2021 Cont'd

## CTFTime Statistics

- Best placing:
  - 24<sup>th</sup> in Sunshine CTF
  - 30<sup>th</sup> in Really Awesome CTF
  - 35<sup>th</sup> in UIUCTF
- Highest points Scoring CTF:
  - Really Awesome CTF with 9.924
  - H@ctivityCon 2021 CTF with 8.108
  - redpwnCTF 2021 with 6.857
- Two Attack Defense CTF's:
  - Bambi CTF #6 placing 26<sup>th</sup> with 3.443 points
  - ENOWARS 5 placing 22<sup>nd</sup> with 5.983 points

# Other Types of Competitions

## Limited Small Group Competitions:

- Temple University's Social Engineering CTF
  - Team of Four placed 2<sup>nd</sup> out of 7 teams
- Global Collegiate Penetration Testing Competition
- Multiple Teams in Hivestorm 2021 Blue Team Competition
- National Cybersecurity League Team Game
  - Team of eight students placed 15<sup>th</sup> overall, with 100% completion
- Niatec CADC
  - Team of 6 placed 1<sup>st</sup>

# BYU CSA End of Semester CTF

- A BYU CSA/ITSEC Tradition
- 50 Students Registered, 40 competed
- 89 Challenges from 10+ Categories
- Students from 8 different majors competed
- Sponsored by the BYU College of Engineering Weidman Center for Global Leadership Grant
- Included 10+ Participant created Challenges
- Provided CSRL with data towards Academic paper on CTFs



# 2022 and Beyond!

- Continuing with more lessons and competitions
  - Already competed twice, with one joint competition with BYU students
  - New Lessons on more specific CTF topics
- Goal to place in top 35 in US teams
- Host a public CTF?
- Grow Skills and confidence of newer Cybersecurity Students!

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# Acknowledgements

To those that made this great year possible!