



Get Youth Involved

Cultivate Young people
into the Cybersecurity

Who am I

Promoting international cooperation
in the cybersecurity field

- Kana Shinoda – BLUE Inc. President
 - International Security Conference “CODE BLUE” - Founder
 - NPO for Counter Cybercrime “APWG” - Asian Liaison
 - Security Camp Committee - International Cooperation
 - GCC: Global Cybersecurity Camp – Co-founder
 - International Cyber Security Challenge (ENISA) – International Steering Committee Member etc.,

Overview

How did I get youth involved



CODE BLUE

1) Student Staff 2) Scholarship 3) CBCTF



GCC: Global Cybersecurity Camp



ICSC: International Cyber Security Challenge



CODE BLUE

- Started from February 2014 in Tokyo
- World Top Class Researches in Tech/Law/Cybercrime etc.,
- Over 4,000 audience (in 2020)
- Over 100 staffs (in 2019)
- Multilingual translations for speakers

CODE BLUE – 1) Student Staff

Student staff work on a **one-day shift** so that they can attend the sessions.



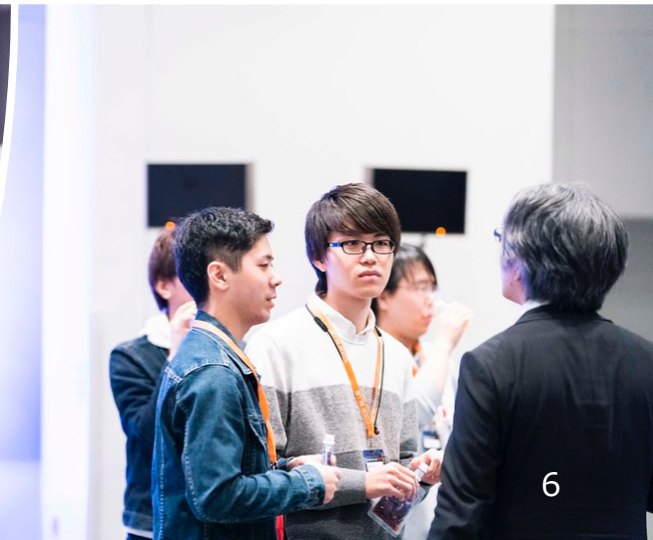
- Lot of complains, so changed the plan to one-day shift
- To call for student staff, we offer;
 - Free accommodation for distant students
 - Staff T-Shirts (no-sale) etc.,
 - Free Party (Kick-off & After)

CODE BLUE

1) Student Staff

What is their motivation?

- **Listen to the session for free**
- Make friends of same generation in Cybersecurity fields
- Enjoy the International Conferences/speakers
- Check the companies for their future



CODE BLUE – 2) Scholarship



Bringing the smart kids into cybersecurity

- Special Sessions for Under 25 years old
 - **Giving youth a chance to speak at the international conference**
- 2.5M JPY (25,000 USD) scholarship for the best U25 speaker
 - Equivalent to 4 years of tuition at national and public universities

CODE BLUE – 2) Scholarship Past Winners



2018

Pietro Frigo (Italy) – Approx. 50,000 USD

- **GLitch: hammering your phone through WebGL**

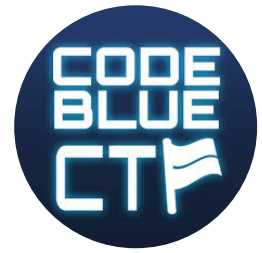


2019

Ryo Ichikawa (Japan) – Approx. 25,000 USD

- **[U25]Let's Make Windows Defender Angry:
Antivirus can be an oracle!**

- Due to the high level of content, scholarship now turned into research support funds rather than tuition funds.



CODE BLUE – 3) CBCTF

Giving the place/funds for what they want to create

- “Let us do it!”
 - Student CTF players suggested us that CTF is required for CODE BLUE, an international conference in Japan.
- They create new CTF system “Bull’s Eye”, which is competition of the strength of exploits
 - The winner is the team that created the dead shot exploit fastest.

GCC: Global Cybersecurity Camp

Creating the future of Asia where we trust and work together.
Cybersecurity Incidents requires to cooperate over borders.

- Eight countries work together to bring young people from each country to provide security training
- Missions:
 - Strengthen the security community throughout Asia and develop future global leaders.
 - Raise the life-long friendship over the borders
 - Learn from the best cybersecurity experts etc.

GCC Tokyo: Curriculum

The host country is
rotated every year

Group Work and
One-day Travel
are in Program

Share rooms across
nationalities (not all)

Eat, Study, Sleep, Chat,
Work, Discuss together
for a whole week



GCC Tokyo

Global Cybersecurity Camp

DATE: 2020.02.10 ~ 14

PROGRAM

- Clarence Chio - USA/Singapore
Making & Breaking Machine Learning Systems.
- Ren Kimura - Japan
Automate Vulnerability Finding and Binary Exploitation.
- Hiroshi Suzuki, Hisao Nashiwa - Japan
The Hunt for Attackers with Incident Response.
- kj (xwings) LAU - Malaysia
Reversing IoT Firmware with Qiling Framework.
- Yuma Kurogome - Japan
Advanced Binary Deobfuscation.
- Moonbeom Park - Korea
Attacker behavior analysis based on attack vector analysis.
- Ming-Hung Wang - Taiwan
Social Media Security: Identifying Information Manipulation Online.


Abstract & Trainer's Bio:



MAIN HOST: SECURITY CAMP COMMITTEE

CO : BoB, AIS3, Div0, Nanosec, NECTEC,

HOST ICT Mahidol, VNSecurity, UQ Cyber Security



“Just one week.
It is up to you
how you use your time.”

GCC – Reaction of students

- “Found a best friends!”
- “My English isn’t enough… I’ll study harder”
- “Great curriculum that I can’t learn from school.”
- “We want to be a part of GCC too!”
 - For 2020 Online, I have GCC Japanese alumni to handle all work for GCC Online. Great Ecosystem is working now!



ICSC: International Cyber Security CTF (ENISA)

- ENISA has held [ECSC](#): European Cybersecurity Challenge (CTF) for years
- In 2021, it will be expanded globally and a world competition is planned.
- “Passionate cybersecurity, and want to link up the people like you and corabolate towards common goals”



ICSC: International Cybersecurity Challenge (ENISA)

- Local CTF competitions will be held in 5 to 6 regions. The winners of the CTF competitions in each region will be invited to the EU for the final round.
- When:
 - Local competitions will be held sometime in April to September 2021
 - Finals will be in November-December 2021
- Host countries is rotated every year

Summary

- Introduced my challenges to cultivate youth
 - CODE BLUE – 1) student staff, 2) scholarship, 3) CBCTF
 - GCC: Global Cybersecurity Camp
 - ICSC: International Cybersecurity Challenge

A close-up photograph of pink cherry blossoms in full bloom, set against a clear blue sky. The flowers are in sharp focus in the foreground, while the background is softly blurred.

Thank you

Kana Shinoda @_kana