

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 Replying to @Curious_Student_1
 Close enough @Curious_Student_1, but nope, I am not a white hat hacker 🙄

Some fun facts about what I do at work:
 1/ I get to tinker with drones, webcams, and the... cloud!
 2/ I help to advance technology that allows Investigation Officers to solve crimes faster
 3/ You may see drones being disassembled or see smart home devices being tested and unpacked

I am Curious @Curious_Student_1
 Replying to @WaiHung_HTX_S&T_Associate
 I'm guessing white hat hacker!

I am also Curious @Curious_Student_2
 Replying to @WaiHung_HTX_S&T_Associate
 If your work is related to IOs... Something related to forensics?

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 Yes! I am an engineer under the [Digital Forensics Centre of Expertise](#) in HTX. Here's an easy-to-understand meme we created about what we do

I am Curious @Curious_Student_1
 Replying to @WaiHung_HTX_S&T_Associate
 What are some of the challenges you faced in your work? Does this mean you are uncovering and interpreting digital data and... I suppose also preserving any digital evidence in the process whilst documenting it?

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 Yep! With cybercrimes on the rise and eclipsing physical crime, the datasphere of which are implicated by criminal activities are growing exponentially. Hence, there is a need to ensure that our Home Team departments are well-equipped to respond to crimes committed in an ever-growing and changing digital space.

👉 Check out how HTX actually empower the frontline in solving crimes:
<https://www.youtube.com/watch?v=U3rxFv2pK5A>

I am also Curious @Curious_Student_2
 Replying to @WaiHung_HTX_S&T_Associate
 Cool! What kind of projects do you take part in?

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 Replying to @Curious_Student_2
 Great question! My bosses allow us to be exposed to a myriad of projects within the department and do not constrain us to work within confined spaces. The more I learn on my job, the more I understand how much data I am "leaking" in the digital space and the more cautious and conscious I am of my digital presence.

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 My greenfield project is a system that leverages machine learning to allow investigators to ingest data and triage the evidence - at the same time! With the use of a mobile device, Digital Forensic Examiners can connect to an exhibit, upload the data in the exhibit into a secure cloud, and let an artificial intelligence model check for any incriminating information quickly. This would give Examiners a critical speed boost in their extraction of relevant information, to support investigations within the first 48 hours before the suspect is released from custody.

I am Curious @Curious_Student_1
 Replying to @WaiHung_HTX_S&T_Associate
 So cool! Are you always in a lab?

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 Replying to @Curious_Student_1
 Nope. Other than sitting in and taking minutes for the Senior Management's meetings, I am also part of the eXpresso!, HTX's monthly town hall. As the town hall is a live broadcast, I was able to take on various roles, such as director, producer, and emcee.

I am Curious @Curious_Student_3
 Replying to @WaiHung_HTX_S&T_Associate
 That's interesting. It must have been nerve-wracking sitting in the meetings. What have you learned?

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 Definitely... But once I got over my nerves, it was a very fruitful learning experience to see problems from the Senior Management's perspective. Sitting in on the Senior Management meetings changed the way I saw things. As an engineer, my first instinct would be to consider everything that can be considered and find the perfect solution to the problem that we have to solve, no matter how long it took.

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 But from the Senior Management meetings, I realised that even with limited information, difficult decisions, which may not be able to please everyone, had to be made for the good of the organisation during times of urgency. This mentality and approach to work became very useful to me, as I realised that I cannot please everyone, but I must do the right thing.

I am Curious @Curious_Student_3
 Replying to @WaiHung_HTX_S&T_Associate
 What about eXpresso?

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 Replying to @Curious_Student_3
 It was quite a big step out of my comfort zone to participate in eXpresso!, and the first broadcast was an incredibly nerve-wracking experience for me. But I know that if something goes wrong, I can rely on my other committee members to have my back.

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 BTW, do you know that any skill you learned might actually be useful in your career? When I was in secondary school, Maplestory was my go-to. Previously, in the game forums, people would trade items such as banner art in the market section. I would take commissions to create banner art, so I taught myself how to use Photoshop to jazz up screenshots of my client's character, and to add special effects to make it shine. I had to dig this artwork out from secondary school hard disks!

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 So... guess how I made use of the skills? As part of the editorial team for two internal publications - DIFXtract and TechXplain - I contribute articles and use Photoshop to create layouts and edit visuals for the two e-magazines 😊 Sorry but we can't reveal the contents but take a look at one of covers!

Ng Wai Hung @WaiHung_HTX_S&T_Associate
 Stopping my thread here but I would like to end off with this...

When I was working in the private sector, I felt like I was just a cog in the machine, earning profit for the company. If I was in it for the money, I would have stayed in that job. But here in HTX, I can see how my contributions will directly help Home Team officers solve crimes and how I can be part of something bigger to help shape the culture of a growing organisation. I know that I can make a difference in HTX, and that makes it all worth doing. ❤️❤️