Recruiting HKPF/Oversea PhD Student in Cybersecurity

- **Daoyuan Wu** is currently a Research Assistant Professor (RAP) in the Department of Information Engineering at the **Chinese University of Hong Kong (CUHK)**.
  - He is leading the Vulnerability and Privacy Research (VPR) Lab, with 2 PhD + 1 RA + X MSc students.

- The HKSAR invites **top students** to apply for its **Hong Kong PhD Fellowship Scheme**.
  - HKPFS awardees: Monthly stipend of **HK$26,600** (approx. US$3,410) + Waive four-year tuition fee.
- CUHK supports to **admit overseas** (non-mainland/HK) **PhD students** who will be fully funded by the university at **HK$216,300 per year** (for four years).
  - The intended students should have the highest degree schools within the top 200 in the QS or THE.

- He is looking for **good candidates in cyber security** (due by 30 Nov or 31 Jan every year).
  - Areas: Mobile and IoT security | Blockchain and smart contract | Web privacy measurement.
  - Requirement: self-motivated, hard-working, strong hacking/system/machine learning skills, and pass the university requirement (Bachelor/Master degree, good GPA, and TOEFL/IETLS if needed).

Send your intro email (with CV) to dywu@ie.cuhk.edu.hk. Also see next page!!!

More info: http://www.ie.cuhk.edu.hk/programmes/phd_admission.shtml and https://daoyuan14.github.io/

Intended Research Areas for You to Choose

I will give you *unique ideas* in my following major areas, work *closely* with you from coding to writing, and train you to be an *independent* researcher.

Mobile Security

➢ Static analysis that advances FlowDroid and Amandroid

• Crowdsourcing to study the security of apps' net traffic

• Analyzing various app/OS-level security problems using our BackDroid tool

Blockchain & Smart Contract

➢ Blockchain vulnerability analysis and security applications [we have 1 PhD student + 1 RA currently working on this area]

• Static/dynamic analysis of smart contract bytecode [e.g., Oyente in CCS'16, Sereum in NDSS'18]

Privacy Measurement

➢ I believe that privacy issue will be a general form of vulnerability in the long run.

• You will leverage Internet measurement to study privacy leakage in the wild [e.g., NDSS19_GithubLeak]

In your email sent to me, please also indicate **which area** you want to work on and **briefly** state why you could do good research in that area.