Recruiting one PhD student in Cyber Security

- **Daoyuan Wu** will join **CUHK (Chinese University of Hong Kong)** in Aug 2019 as a Research Assistant Professor (研究助理教授，可招博士生).

- He currently has **one PhD student quota** that will be fully funded by the departmental Postgraduate Studentship (PGS) at **HK$199,920 per year**.
  - Although the normal application deadline already passed, the department allows late application for this particular student quota <u>so that he/she can join this year</u>.

- He is looking for **a good candidate in cyber security** who can <u>apply asap</u>.
  - Areas: mobile security | smart contract analysis | Internet privacy measurement.
  - Requirement: self-motivated, strong hacking/system/machine learning skills, and pass the university requirement (Bachelor+ degree, good GPA, and TOEFL/IETLS).

Send your intro email (with CV) to daoyuan0x@gmail.com. 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 app and 4G/5G network security
- Machine learning based vulnerability analytics [e.g., VulDeePecker in NDSS'18]

Blockchain & Smart Contract

- ➢ Static/dynamic analysis of smart contract bytecode [e.g., CCS_Oyente, NDSS_Sereum]
- You can also work on Blockchain network monitoring [one sample is INFOCOM18 EthereumGraph]

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.