

Why?

## “Malicious Software and its Underground Economy”

joint work with *Omar Abou Selo* (undergrad at CMU) in 2014

### Original research problem

- how easy is it to hire a hacker or get cutting-edge hacking tools on the internet (hacker's forums)?

### Conclusion

- creating a new malware is as simple as assembling pieces available online

# How to create a new malware? 3 step process

## I. Create the malware's payload

2. Make the malware undetectable
3. Spread the malware