Wang Chieh-Min (王傑民)

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SUMMARY

I am a passionate software developer who loves open source community. I am pursuing my master degree in the System and Security Lab, NCTU. I am currently interested in and working in the areas including software security, virtualization technology, android system and android app programming but not limited.

EDUCATION

National Chiao Tung University, Master in Computer Science and Engineer   2014~Now
      GPA: **97.0** out of 100

      Transcript

National Chiao Tung University, B.S in Computer Science (Computer and Electrical Engineering)   2010~2014
      GPA: **90.49** out of 100

      Transcript

EXPERIENCE

Summer Intern – Software Engineer at Yahoo Taiwan July 2015 to August 2015	Mobile team - During the internship, I and other 6 interns build up a scrum team to create a new app. My team is composed by 4 engineers, 1 UI designer, 1 PM, and 1 researcher. The app we built is a new O2O e-commerce app and we won the best internship award for engineering group.
Summer Intern – Software Engineer at IBM Taiwan July 2014 to August 2014	Product team for continuous delivery - Use Java to build tools to assure quality and find bugs. Tools are merged into Jenkins Build Pipeline.

HONORS & AWARDS

2015 CTCTF – 4th Place	CTCTF is the first Attack and Defense CTF(Capture the flag) competition in Taiwan. In the competition, each team has to maintain three different type of services with several vulnerabilities during the two-day competition. We have the find out the vulnerabilities, patch them, and using the vulnerabilities to attack other teams to get the flags. http://scoreboard.ctf.tw/ctf/2
2013 CAD Contest at ICCAD Problem B – 3rd Place	In a team of 3 bachelor students, we have written a 12000 lines project in C++ for the detailed placement problem in the research contest held by ICCAD 2013. We won the 3rd place, beating 30 other teams, the majority of which were PhD and master teams. You can find out more about the problem we were solving at ICCAD 2013 contest Problem B. http://cad_contest.cs.nctu.edu.tw/CAD-contest-at-ICCAD2013/
2013 CADathlon at ICCAD – 2nd Place	In the CADathlon contest, participants are given 6 academic papers, 6 problems involving those papers and 9 hours to solve them. My team was the first bachelor team to ever attend this contest in its nine year history, and we won the second prize. You can find more about the contest at CADathlon official website. https://www.cs.nctu.edu.tw/cswebsite/news/awards/view/869

OTHERS AWARDS

2015 Yahoo The Best Internship Award - Engineering Group	
2011 ACM ICPC Hsinchu Regional	Honorable Mention
2011 National Collegiate Programming Contest	Award for Excellence
2010 ACM ICPC Kaohsiung Regional	7th place
2010 ACM ICPC Tokyo Regional	12th place
2010 National Collegiate Programming Contest	3rd prize

PUBLISHED ANDROID APPS

MinMinGuard   MinMinGuard is my most successful Android App. MinMinGuard is an Xposed framework module that removes ads from Android applications. MinMinGuard has several important advantages over other ad-removing solutions. First, it removes both the ads and the black space caused by those ads, which extends the app window and improves the user-experience. Second, it allowes a per-app setting, so the user can keep the ads in the apps he wants to support. MinMinGuard has **more than 200000 downloads** and was featured on XDA TV. You can find more information about it on my XDA thread.

NetworkSpeedIndicator   NetworkSpeedIndicator is my another Xposed module. It can show current network speed on the status bar. It's has **more than 100000 downloads** now. You can find more information on my XDA thread.

PUBLICATIONS

"Density-aware Detailed Placement with Instant Legalization" (**DAC 2014, acceptance rate about 23%**)
Sergiy Popovych, Hung-Hao Lai, **Chieh-Min Wang**, Yih-Lang Li, Wen-Hao Liu, and Ting-Chi Wang

PROJECTS PARTICIPATED

Virtualized datacenter security monitor   Virtualized datacenter (VDC) has become a popular approach to large-scale system consolidation and the enabling technology for infrastructure-as-a-service cloud computing. We envision the need for on-demand mandatory security monitoring of critical guest systems as a means to track and deter security threats that could jeopardize the operation of a VDC. Unfortunately, existing VDC security monitoring mechanisms all require pre-installed guest components to operate. The security monitoring would either be up to the discretion of individual tenants or require costly direct management of guest systems by the VDC operator. We propose the EagleEye approach for on-demand mandatory security monitoring in VDC environment, which does not depend on pre-installed guest components. We implement a prototype on-access anti-virus monitor to demonstrate the feasibility of the EagleEye approach.

LANGUAGES

- **Chinese:**   *Native*
- **English:**   *Excellent*