

Shun-Yi Jheng

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## SUMMARY

Keep participating conferences and meetups in Taiwan since entered college.<sup>[1]</sup> Like to share what I've learned by giving talks in confs or meetups.<sup>[2]</sup> Keep writing notes after learned or solved something.<sup>[3]</sup> Was a member of BambooFox team in NCTU: played some CTF competitions and learned some attack and defense concepts and techniques.<sup>[4]</sup> Now, mainly focus on DevOps skills, improving the performance of web services, writing efficient and readable code and love Python.<sup>[5]</sup>

## EXPERIENCES

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<b>Tagtoo</b>	<b>Taipei, Taiwan</b>
DevOps & Web services Architect	January 2016 — November 2017

- Save 70% cloud platform service fee in 3 months after joined the company.
- Speed up testings on Travis CI up to 6 times faster. (90 mins to 15 mins)
- Reorganize the service architecture to make the data flow be unified and more easy to be traced when error happens (combined with Stackdriver monitoring).
- Fixed bugs of travis-ci/dpl (written in Ruby) to make it able to deploy to Google App Engine again.<sup>[6]</sup>
- Add an auto deployment of web frontend assets to CDN (~300 QPS at peak) for every project.
- Improve the process of collecting user tracking data (about 12 millions pageviews per day) which uses Google App Engine with MapReduce to save the data into Google BigQuery up to 33% faster.
- Separate services on one virtual machine to several API microservices running with Docker and Kubernetes to avoid the single point of failure.
- Draw a picture of all web services and let other engineer colleagues know the relations of them.
- Help colleagues (engineer and non-engineer) solving problems and knowing what the other is talking about.
- Tech stacks: Python (Django, Flask, Celery), Container (Docker, Kubernetes), Databases (MySQL, SQLite, Redis), Services (Google Cloud Platform, CloudFlare, Travis CI, GitHub, Trello, Slack), Git.

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<b>Computer Center of Dept. Computer Science, NCTU</b>	<b>Hsinchu, Taiwan</b>
Linux, Web & PC team	August 2013 — July 2015

- Undergraduate teaching assistant of Computer System/Network Administration courses.
- Practical experiences including: legacy system improvement, database migrations, web development.
- Tech stacks: Linux (Arch, Debian, Gentoo, Ubuntu), FreeBSD, Bash, VMware, Xen, Btrfs, ZFS, PHP (Yii, CodeIgniter), Python, Perl, MySQL, Clonezilla, Hardware Operations.

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<b>Open House, NCTU</b>	<b>Hsinchu, Taiwan</b>
IT team	September 2012 — May 2014

- Improved communication skill by writing code based on the demands of non-engineer colleagues.
- Refactored and modularized the legacy code to make successors focus on writing new features.
- Tech stacks: PHP (Yii), Arch Linux, Nginx, Apache, QEMU, ZFS, MySQL, mdadm, crontab, Git.

## EDUCATION

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<b>National Chiao Tung University</b>	<b>Hsinchu, Taiwan</b>
Bachelor of Computer Science	September 2011 — June 2015

- **Information and Communication Security Credit Programme**
- **Relevant Coursework**
  - Computer System/Network Administration (A+), FOSS and Project Collaboration (A+)

## PROJECTS

Android Repackaged App Detection System<sup>[7]</sup> August 2013 — January 2015

- Program slicing, subgraph isomorphism, obfuscation tricks and Android app reversing.
- Tech stacks: Python (NetworkX, Scrapy), JavaScript (Node.js, D3.js), Perl, Java (SAAF), smali, Git.

## HONORS

- 2015 4<sup>th</sup> place in Taiwan Student Cluster Competition.<sup>[8]</sup>
- 2013 5<sup>th</sup> place in Golden Shield Information Security Contest.<sup>[9]</sup>

## SKILLS

**Languages:** English (TOEIC 840/990 in 2011, GEPT High-Intermediate prelim in 2011), Mandarin

## REFERENCES

1. <https://blog.m157q.tw/category/confmeetup/>
2. <https://blog.m157q.tw/category/talk/>
3. <https://blog.m157q.tw/category/note/>
4. BambooFox
  - <https://ctftime.org/team/9871>
  - A security team consists of NCTU students and alumni, mainly focusing on CTF competitions and security related issues.
5. Some of my side projects written in Python:
  - <https://github.com/M157q/zdict>
    - A cross-platform CLI tool to query online dictionaries with Docker and syntax highlighting support.
  - <https://github.com/M157q/gettitle>
    - A CLI tool to get the title of the webpage with JavaScript support by using Selenium.
  - <https://github.com/M157q/hor2vec>
    - A CLI tool to change your horizontal pure text to vertical with some options.
6. <https://github.com/travis-ci/dpl/pulls?utf8=%E2%9C%93&q=is%3Apr+is%3Aclose+author%3AM157q>
  - Shortened URL: <https://goo.gl/Gzz6m2>
7. <https://github.com/M157q/Android-Repackaged-App-Detection-System>
  - Slides: <https://speakerdeck.com/m157q/sitcon2015-android-repackaged-app-detection-system>
8. [http://event.nchc.org.tw/2015/tscc/index.php?CONTENT\\_ID=25](http://event.nchc.org.tw/2015/tscc/index.php?CONTENT_ID=25)
  - Shortened URL: <http://goo.gl/80SZjB>
  - Team Name: 幼稚鬼團與他的快樂夥伴
9. [http://www.nicst.ey.gov.tw/News\\_Content4.aspx?n=11EC3BA2351F93AA&sms=4D833E26864BB926&s=4C2DD1B0FA325D80](http://www.nicst.ey.gov.tw/News_Content4.aspx?n=11EC3BA2351F93AA&sms=4D833E26864BB926&s=4C2DD1B0FA325D80)
  - Shortened URL: <http://goo.gl/oUfJqK>
  - Team Name: 聽說名字太長躲在防火牆