

Liam Young

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EDUCATION

East China Normal University 09/2015 - 06/2018 (Expected)

- MEng in Computer Science, GPA: 88.26/100

East China Normal University 09/2011 - 06/2015

- BEng in Computer Science, GPA: 3.38/4.0
- **The University of Hong Kong**, Short-term Visiting Student 02/2014
- **Member of Innovative Talents Class Committee** 09/2013 - 06/2015

INTERNSHIP

Peking University Exploit Intern 07/2015 - 08/2015

- Supervised by Ph.D Candidate **Yu Ding** and learn binary vulnerability discovery/exploit (Windows), Android security (APK unpacking and repackaging), Web security (XSS). Further learned Industrial Control Systems security at **CNCERT/CC**.

UnionPay Smart Quantitative Analyst Assistant Intern 03/2015 - 06/2015

- Using Hadoop cluster to fetch luxury industry data from the transaction records of 2.7 billion credit cards support by China UnionPay, written with Python and Shell script.

SELECTED PROJECTS

Photo Directing 11/2015

- As team leader co-worked with two classmates and a designer from NYUAD, we completed an iOS app called "Photo Directing" with an extra today view extension within 24 hours in **HackShanghai** (China's largest college hackathon). It was written in Swift 2.0. Using this app, you can easily know the distance and direction of the place in the photo you've opened.

Hash algorithm cracking with dictionary and GPU attacking 03/2014 - 02/2015

- Corporate with two classmates in mentor's program, Programmed with C and CUDA. For MD5, our system is **50% faster** than **Cryptohaze Multiforcer** (by Russian expert). In this project, I gained not only programming experience, but also how to write readable documents and how to express my ideas efficiently with consumers and partners.

Lost and Found—Service Platform for Colleges and Universities 06/2013 - 06/2014

- Completed extracurricular project with Ruby on Rails, Bootstrap and RSpec. I designed all the front pages and finished the architecture design and back end development. The project is approved as national innovation experiment program and received ¥8000 fund.

SKILLS & EXPERIENCES

- Language: Mandarin (Native), English (Professional working efficiency, CET-6: **581**)
- Course: Build visual program with Windows SDK & wxPython, 95 points (1st in class)
- Course: Object Oriented Programming — Using C++, 91 points (Top 5 in class)
- Have an intimate knowledge of Ruby on Rails and practice BDD with RSpec
- Build **homepage** to post technical blogs with Octopress, former in **CSDN**
- Know Git common operations well and wrote a clearly understandable **blog** for it
- Pursue and develop good code style, often made **team guidelines** before coding
- Use IBM RSA (modelling), PHP CI framework and MySQL to build a small Pay Roll System

ACCOMPLISHMENTS

- **ECNU Top-notch Innovative Personnel Training Plan (4/67)** 05/2013 - 06/2015
- East China Normal University The Third Prize Scholarship 09/2013 - 06/2014
- East China Normal University The Third Prize Scholarship 09/2012 - 06/2013
- East China Normal University The Third Prize Scholarship 09/2011 - 06/2012

PROFESSIONAL SUMMARY

Heavy user of **GitHub**. Enjoy participating in **Stackoverflow** and reading honorable people's blog like **Frank** and **Coolshell**. I am a very focused person and I tend to be result-oriented. I prefer to live a "half programming & half art" life.