

PETER ZHANG*

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HIGHLIGHTS

- 11 years of experience in algorithm design and problem solving
- Excellent coding skills in C / C++ and experienced in C#, Java, Python and Shell Scripts
- Rich development experience with Windows/Linux environments and embedded systems
- Solid academic background in Networking and profound experience in network attack / defense
- Solid academic background in Distributed Systems and practical experience in Amazon Web Services

EXPERIENCE

- SEP 2014 **Software Engineer at Google Inc.**
Zurich, Switzerland
- 2013 ~ 2014 **Postdoctoral Fellow at City University of Hong Kong**
Kowloon, Hong Kong SAR

EDUCATION

- 2009 ~ 2013 **Doctor of Philosophy (Ph.D.)** in Computer Science
City University of Hong Kong, Hong Kong SAR
- 2005 ~ 2009 **Bachelor of Science (B.Sc.)** in Electronic Information Science and Technology
Sun Yat-sen University, Guangzhou, China

PROJECTS

- NOV 2011 **iPhone 4s Reservation Helper** – Software Development INDIVIDUAL PROJECT
A online reservation system that provided paid services to 2,000+ customers and produced US\$200,000+ net profit within 3 months
- Implemented the system within one hour by using shell scripts, rewrote it later using C#
 - Improved system scalability by utilizing distributed computing technologies and Amazon AWS cloud
 - Utilized networking technologies to bypass Apple's firewalls
- OCT 2013 **iPhone 5s Reservation Helper** – Software Development INDIVIDUAL PROJECT
Provided paid services to 1,500+ customers and produced US\$60,000+ net profit within 45 days
- Implemented an image processing engine for OCR recognition of CAPTCHAs
- APR 2011 **IPALINK App** – Software Development INDIVIDUAL PROJECT
A tool that got 10,000+ downloads and 1,200+ comments within 48 hours after public release
- Developed the app to help users to search and download unauthorized iOS apps efficiently
 - Designed the app to be simple and user-friendly, making it popular in China

SELECTED PUBLICATIONS

- AUG 2014 **Bo Zhang;** Jinfan Wang; Xinyu Wang; Yingying Cheng; Xiaohua Jia; Jianfei He, "AI3: Application-Independent Information Infrastructure," *ACM SIGCOMM*, Chicago, USA, 17-22 Aug. 2014.
- FEB 2013 **Bo Zhang;** Xiaohua Jia, "Multi-hop Collaborative Relay Networks with Consideration of Contention Overhead of Relay Nodes in IEEE 802.11 DCF," *IEEE Transactions on Communications*, vol.61, no.2, pp.532-540, Feb. 2013.
- DEC 2010 **Bo Zhang;** Zhongming Zheng; Xiaohua Jia; Kan Yang, "A Distributed Collaborative Relay Protocol for Multi-hop WLAN Accesses," *IEEE GLOBECOM*, Miami, USA, 6-10 Dec. 2010.

* Peter Zhang is also known as: Bo Zhang